Data File: /chem/HP07566.i/06jan26b.b/rj26t03.d

Date : 26-JAN-2006 16:33

Client ID: BFB AUG 26

Instrument: HP07566.i

Sample Info: BFB AUG 26;50ng BFB;1;3;;

Operator: JML01693

Column phase: DB-624

Column diameter: 0.25

Data File: rj26t03.d

Spectrum: Avg. Scans 205-207 (4.75), Background Scan 196

Location of Maximum: 95.00 Number of points: 59

	m/z	Y		m/z	Y		m/z	Y		m/z	Υ	
+	36.00	718		60.00	433		80.00			119.00	338 I	
1	37.00	2614	ı	61.00	2240	I	81.00	939	١	128,00	100 l	
ı	38.00	2329	ı	62.00	2415	i	82.00	91	ļ	129,00	120	
ı	39.00	1332	1	63.00	1644	ı	87,00	1404	ı	135,00	108 I	
1	40.00	162		64.00	129		88.00			141,00	544 i	
+-	 _		+-			+-					+	
1	44.00	182	i	68,00	4537	ŀ	92.00	1228	I	143.00	608 I	
i	45,00	416	1	69.00	504 5	ı	93,00	1728	ţ	148,00	94 1	
1	47.00	595	J	70.00	256	I	94.00	4709	1	155.00	86.1	
ŀ	48.00	363	ı	72,00	210	l	95.00	39288	I	161,00	109 I	
ŧ	49.00	2206		73.00	1877		· ·			174.00		
+-			-+-			+-					+	
1	50.00	9934	I	74.00	7 370	1	97.00	89	1	175,00	2070 I	
1	51.00	2643	ı	75.00	23856	ŀ	106,00	187	I	176.00	26824 1	
ŀ	52.00	173	1	76.00	2086	ı	115.00	92	ļ	177.00	1860 l	
1	56.00	849	1	77,00	373	1	117.00	97	ı	207,00	87 I	
I	57.00	1421	ι	79,00			118.00	102			1	
+-			-+-			+-			-+			

Date: 24-JAN-2006 11:18

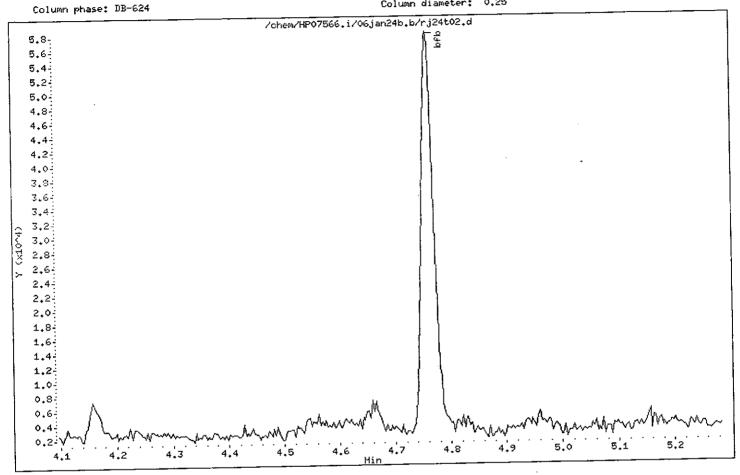
Client ID: 2uLBFBAUG26

Instrument: HP07566.i

Sample Info: 2uLBFBAUG26;50NG BFB;1;3;;;;

Operator: SAM00983

Column diameter: 0.25



MU183

Data File: /chem/HP07566.i/06jan24b.b/rj24t02.d

Date: 24-JAN-2006 11:18 Client ID: 2uLBFBAUG26

Instrument: HP07566.i

Sample Info: 2uLBFBAUG26;50NG BFB;1;3;;;;

Operator: SAM00983

Column diameter: 0.25

Column phase: DB-624

1 bfb Avg. Scans 207-209 (4.76), Background Scan 197 1.2 1.1 174 1.0 0.9 ٥,8 0.7 0.6 0.5 0.4 0.3 0.2 0.1 210 190 200 170 180 150 160 120 M/z 130 140 110 100

m∕e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	·+
1 50 1 75 1 96 1 173 1 174 1 175 1 176	Base Peak, 100% relative abundance	100,00 18,59 50,09 6,41 0,00 (0,00) 74,99 5,64 (7,52) 73,71 (98,30) 4,34 (5,89)	
			8364

Data File: /chem/HP07566.i/06jan24b.b/rj24t02.d

Date : 24-JAN-2006 11:18

Client IB: 2uLBFBAUG26

Instrument: HP07566.i

Sample Info: 2uLBFBAUG26;50NG BFB;1;3;;;;

Operator: SAM00983

Column phase: DB-624

Column diameter: 0.25

Data File: rj24t02.d

Spectrum: Avg. Scans 207-209 (4.76), Background Scan 197

Location of Maximum: 95.00 Number of points: 35

m/z	Y	m/Z	Y	m/z	Υ	m/z	Y +
+	+- 676 1	56.00	256	74.00	1978 l	95.00	12409 l
1 38.00	726 1	57.00	431 l	75.00	6216 1	96,00	796 l
1 30.00	402 I	60.00	88 1	76,00	686	174,00	930 5
	362 l	61.00	483 l	79.00	194 !	175.00	700 1
40.00 45.00	105 1	62.00	494 l	87,00	430 1	176.00	9147
+	107 l	63.00	400 1	33,00	307	177.00	539
1 49,00	503 I	68.00	1107 l	92,00	337	208,00	84
1 50.00	2307 1	69.00	1090 l	93.00	380		94
1 51.00	714 i	73,00	651 l	94.00	1049	l 	

Data File: /chem/HP07566.i/06jan24d.b/rj24t06.d

Date : 24-JAN-2006 17:57

Client ID: 2uLBFBAUG26

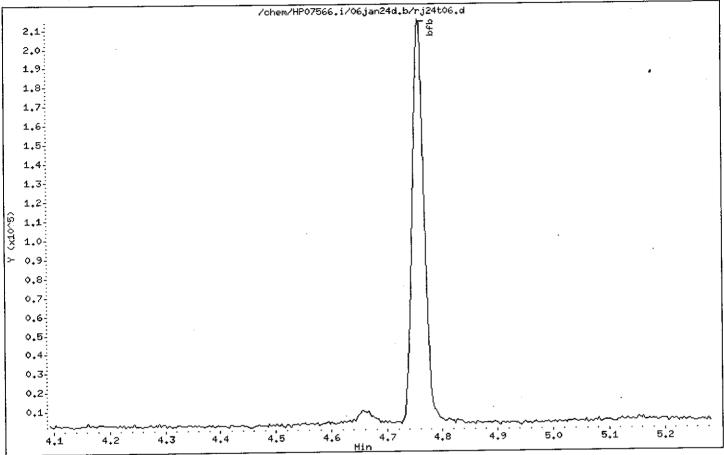
Instrument: HP07566.i

Sample Info: 2uLBFBAUG26;50NG BFB;1;3;;;;

Operator: JML01693

Column phase: DB-624

Column diameter: 0.25



1/2/1/06

Page 1

Data File: /chem/HP07566.i/06jan24d.b/rj24t06.d

Date : 24-JAN-2006 17:57

Client ID: 2uLBFBAUG26

Instrument: HP07566.i

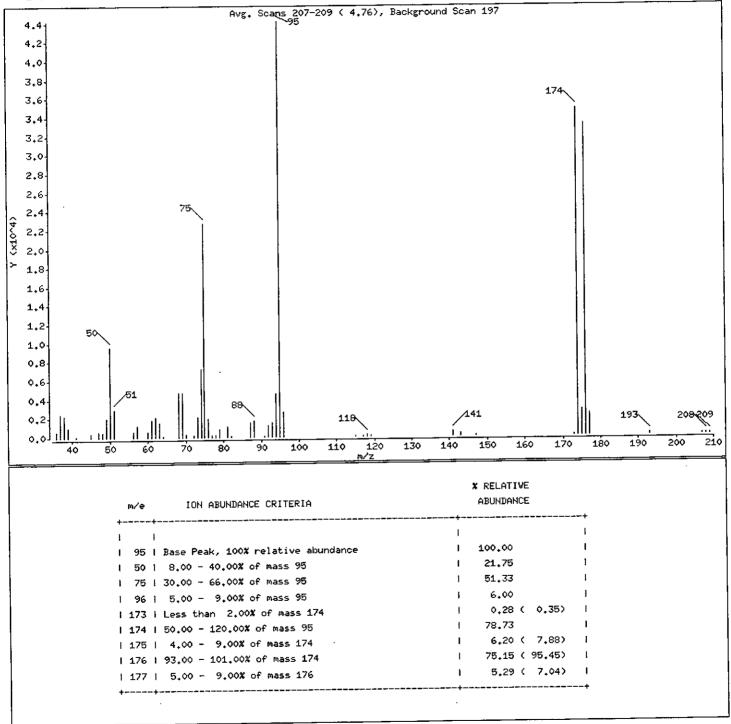
Sample Info: 2uLBFBAUG26;50NG BFB;1;3;;;;

Operator: JML01693

Column phase: DB-624

Column diameter: 0.25





Data File: /chem/HP07566.i/06jan24d.b/rj24t06.d

Date: 24-JAN-2006 17:57

Client ID: 2uLBFBAUG26

Instrument: HP07566.i

Sample Info: 2uLBFBAUG26;50NG BFB;1;3;;;;

Operator: JML01693

Column phase: DB-624

Column diameter: 0.25

Data File: rj24t06.d

Spectrum: Avg. Scans 207-209 (4.76), Background Scan 197

Location of Maximum: 95.00 Number of points: 55

	m/z	Y		m/z	Y		m/z		Y		m/z	Y 	
+- i	36,00	575		61,00	1847		79.00				119,00	109	
ļ	37.00	2440	i	62,00	2090	i	81.00		1129	1	141,00	461	
1	38.00	2225	1	63.00	1496	ı	82,00		94	ŀ	143.00	315 1	
ŀ	39.00	1012	ļ	64.00	88	Į	87,00		1519	I	147.00	89	
i	41,00	97		68,00	4649			!			173.00	1 23	
+-			- +-			+-				-+-			٠
ŀ	45,00	440	I	69,00	4719	ļ	91,00		111	I	174,00	34776	J
į	47.00	620	ı	70.00	28 3	i	92.00		1240	j	175,00	2739	ł
ī	48.00	475	1	72,00	212	I	93.00		1569	I	176.00	33192	l
ı	49.00	2043	ı	73,00	2174	ŀ	94.00		4561	1	177.00	2337	į
ı	50.00	9607		74.00	7200						193,00	183	
+-			-+-	-		+				-+			
ı	51.00	2933	i	75.00	22672	ı	96.00		2652	1	207,00	58	t
1	56.00	563	ı	76,00	1926	ı	115.00		86	ŀ	208,00	91	ı
l	57.00	1204	1	77,00	167	l	117.00		143	1	209.00	87	1
ı	60.00	657	ŀ	78,00	178	ı	118.00		177				I
+-			-+-	-		+				-+			٠

1A

EPA SAMPLE NO.

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VOLATILE ORGANICS ANAL'	SIS DATA SHEET			— _I
		v	BLKR37	•
Lab Name: Lancaster Laboratories	Contract:	l	<u></u>	
Lab Code: LANCAS Case No.:	SAS No.: S	DG No	·:	
Matrix: (soil/water) SOIL	Lab Sample ID: VBLKR37			
Sample wt/vol: 5.00 (g/mL) g	Lab File ID: HP07566.i/06	jan26	b.b/rj2	6b01
Level: (low/med) LOW	Date Received:			
Moisture: not dec	Date Analyzed: 01/26/06			
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0			
Soil Extract Volume: (uL)	Soil Aliquot Volume:	(uL)		
	CONCENTRATION UNITS:			
CAS NO. COMPOUND	(ug/L or ug/Kg) MDL ug/K	g	Q	
74-87-3Chloromethane		2	Ū	
75-01-4Vinyl Chloride		2	υ	
74-83-9Bromomethane		3	U	
75-00-3Chloroethane	İ	3	ប	
75-35-41,1-Dichloroet	hene	2	ע	
67-64-1Acetone		7	υ	
75-15-0Carbon Disulfi	de	3.	U	
75-09-2Methylene Chlo		2	U	
75-34-31,1-Dichloroet		1	ี บ	
540-59-01,2-Dichloroet		2	ֹ ע	
78-93-32-Butanone		7	י די	
67-66-3Chloroform	į	1	ט	
71-55-61,1,1-Trichlor	oethane	1	ט	
56-23-5Carbon Tetrach		1	ט ו	
71-43-2Benzene	į	1	์ บ i	

2 | U 107-06-2----1, 2-Dichloroethane U 1 | 79-01-6-----Trichloroethene Ų 3 78-87-5----1,2-Dichloropropane 2 U 75-27-4-----Bromodichloromethane U 1 10061-01-5----cis-1,3-Dichloropropene U 3 108-10-1-----4-Methyl-2-Pentanone 1 U 108-88-3-----Toluene U 1 10061-02-6----trans-1,3-Dichloropropene 2 U 79-00-5-----1,1,2-Trichloroethane 1 ע | 127-18-4-----Tetrachloroethene 3 U 591-78-6----2-Hexanone 1 U 124-48-1-----Dibromochloromethane U 1 108-90-7-----Chlorobenzene 1 U 100-41-4----Ethylbenzene 1 U 1330-20-7-----Xylene (Total)

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

		VBLKR37
Lab Name: Lancaster Laboratories	Contract:	l
Lab Code: LANCAS Case No.:	SAS No.:SDO	G No.:
Matrix: (soil/water) SOIL	Lab Sample ID: VBLKR37	
Sample wt/vol: 5.00 (g/mL) g	Lab File ID: HP07566.i/06ja	an26b.b/rj26b01.d
Level: (low/med) LOW	Date Received:	
Moisture: not dec	Date Analyzed: 01/26/06	
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0	
Soil Extract Volume: (uL)	Soil Aliquot Volume:	(uL)
	CONCENTRATION UNITS:	
CAS NO. COMPOUND	(ug/L or ug/Kg) MDL ug/Kg	Q
100-42-5Styrene		1 U
75-25-2Bromoform	i i	ı ʊ
79-34-51,1,2,2-Tetra	chloroethane	1 U

9379

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

POUNDS	1
	VBLKR37
ntract:	

Lab Name: Lancaster Laboratories	Contract:
Lab Code: LANCAS Case No.:	SAS No.:SDG No.:
Matrix: (soil/water) SOIL	Lab Sample ID: VBLKR37
Sample wt/vol: 5.0 (g/mL) g	Lab File ID: HP07566.i/06jan26b.b/rj26b01.
Level: (low/med) LOW	Date Received:
% Moisture: not dec.	Date Analyzed: 01/26/06
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

Number TICs found: 2

8371

28.____

30.____

VBLKR37

Lancaster Laboratories Quantitation Report GC/MS Volatiles

VBLKR37

File: /chem/HP07566.i/06jan26b.b/rj26b01.d

Sample: VBLKR37; VBLKR37; 2; 3;; Injected At:26-JAN-2006 17:32

Calibration Time: 29-JUN-2005 10:37

Target Method: ROLM32SL.m

Blank Reference: Sublist: 7157

Sample Concentration Formula: On-Column Amount * (Vt/Ws)

Batch: R060261AA

Analyst: JML01693

Instrument ID: HP07566.i

Standard Reference: rj26c01.d

Prep Factor:1.00 Units: ug/Kg

Matrix: SOIL

Level: Low

Sample Wt./Vol.: 5.0000 g (Ws)

Volume Purged: 5.0 ml (Vt)

		•				
Internal Standards	RT (+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ext)	QC Flag
=======================================	**======	====	====	=======================================	=======================================	=======
43) Bromochloromethane	6.572(0.001)	1553	128	122025(-4)	50.00	
58) 1.4-Difluorobenzene	7.964(-0.006)	1987	114	772372(-6)	50.00	
91) Chlorobenzene-d5	11.255(-0.002)	3013	117	692698(-9)	50.00	

= RETENTION TIME OUT OF RANGE

* = INTERNAL STANDARD OUT OF RANGE

NC = NOT ABLE TO CALCULATE

	I.S.			Conc.	QC	
Surrogate Standards	Ref. RT (+/-RRT)	QIon	Area	(on column)	%Rec. flags	QC Limits
=======================================	J ####################################	=====	==========	* =========		==========
50) 1,2-Dichloroethane-d4	(1) 7.364(-0.001)	65	409294	50.543	101%	70 - 121
73) Toluene-d8	(3) 9.824 (0.000)	98	947695	51.691	103%	84 - 138
103) 4-Bromofluorobenzene	(3) 12.240(0.000)	95	321215	43.272	86%	59 - 113

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE

D = DILUTED OUT NC = NOT ABLE TO CALCULATE

	I.S.					Conc.	Conc.	Blank	1	Reporting	í
Target Compounds	Ref.	RT	(+/-RRT)	QIon	Area	(on column)	(in sample)	Conc.	Qual.	Limit	LOQ
101900 00mposses		=====	==== ====	=====	=======	=======================================			======	======	======
2) Chloromethane	(1)					ND	ND		,	2.00	10.00
3) Vinyl Chloride	(1)					ND	ND			2.00	10.00
5) Bromomethane	(1)					ND	ND			3.00	10.00
6) Chloroethane	(1)					ND	ND			3.00	10.00
10) 1,1-Dichloroethene	(1)					ND	ND			2.00	10.00
16) Acetone	(1)					ND	ИD			7.00	10.00
18) Carbon Disulfide	(1)					ND	ND			3.00	10.00
22) Methylene Chloride	(1)					ND	ND			2.00	10.00
26) trans-1,2-Dichloroethene	(1)					ND	ND			2.00	10.00
31) 1,1-Dichloroethane	(1)					ND	ND			1.00	10.00
37) cis-1.2-Dichloroethene	(1)					ND	ND			2.00	10.00
40) 2-Butanone	(1)					ND	ИD			7.00	10.00
45) Chloroform	(1)					ND	ND			1.00	10.00
46) 1.1.1-Trichloroethane	(2)					ND	ND			1.00	10.00
49) Carbon Tetrachloride	(2)					ND	ND			1.00	10.00
38) 1,2-Dichloroethene (Total						ND	ND			2.00	10.00
52) Benzene	(2)					ND	ND			1.00	10.00
53) 1.2-Dichloroethane	(1)					ND	ИD			2.00	10.00
61) Trichloroethene	(2)					ND	ND			1.00	10.00
66) 1.2-Dichloropropane	(2)					ND	ND			3.00	10.00
71) Bromodichloromethane	(2)					ND	ND			2.00	10.00
75) cis-1,3-Dichloropropene	(2)					ND	ND			1.00	10.00
76) 4-Methyl-2-Pentanone	(3)					ND	ND			3.00	10.00
80) Toluene	(3)					ND	ND			1.00	10.00
80/ Tordene	(3,										

E = CONC. OUT OF CAL. RANGE

= RELATIVE RETENTION TIME OUT OF RANGE

Page 1 of 2

VBLKR37

Dancaster Laboratories VBLKR37 Quantitation Report GC/MS Volatiles

File: /chem/HP07566.i/06jan26b.b/rj26b01.d

Sample: VBLKR37; VBLKR37; 2; 3;; Injected At: 26-JAN-2006 17:32

Calibration Time: 29-JUN-2005 10:37

Target Method: ROLM32SL.m

Blank Reference: Sublist: 7157

Sample Concentration Formula: On-Column Amount * (Vt/Ws)

Batch:R060261AA

Matrix: SOIL

Analyst:JML01693

Level: Low

Instrument ID: HP07566.i

Sample Wt./Vol.: 5.0000 g (Ws)

Standard Reference: rj26c01.d

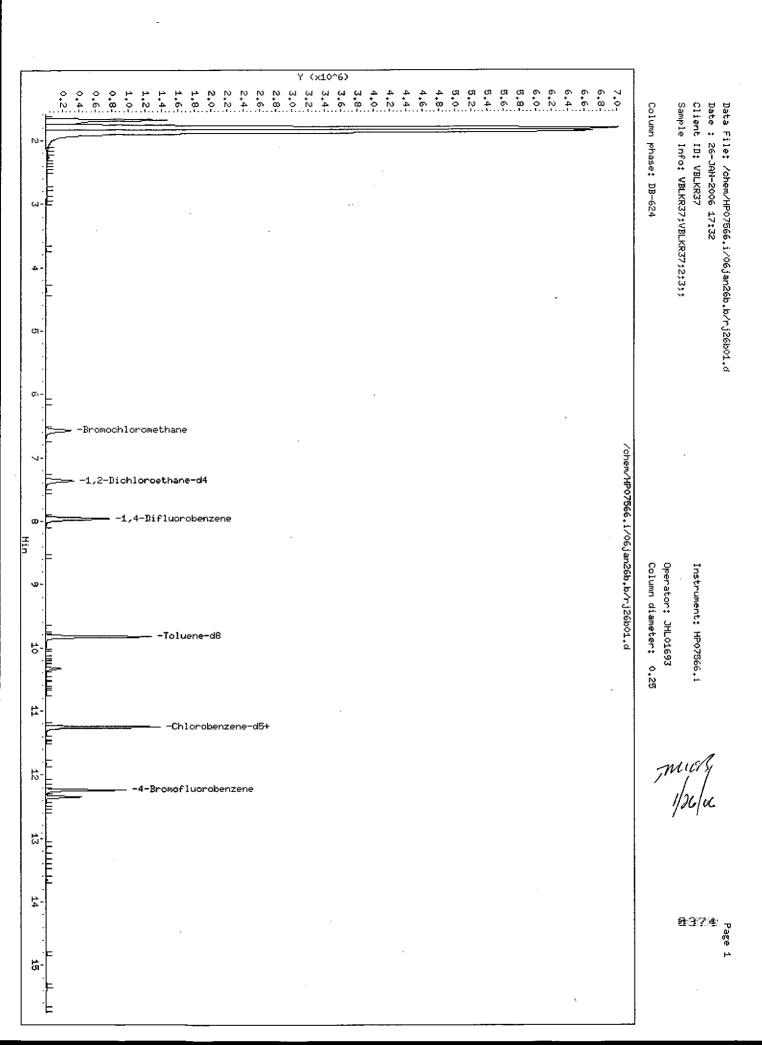
Volume Purged: 5.0 ml (Vt)

Prep Factor:1.00 Units: ug/Kg

	I.S.					Conc.	Conc.	Blank	;	Reporting	3
Target Compounds	Ref.	RT	(+/-RRT)	QIon	Area	(on column)	(in sample)	Conc.	Qual.	Limit	LOQ
	=======	====	========	=====	========	=======================================	*-========	**=====	======	E=====	
31) trans-1,3-Dichloropropene	(2)					ND	ND			1.00	10.0
33) 1,1,2-Trichloroethane	(2)					NĎ	ND			2.00	10.0
35) Tetrachloroethene	(3)					ND	ND			1.00	10.0
37) 2-Hexanone	(3)					ND	ND			3.00	10.0
38) Dibromochloromethane	(2)					ND	ND			1.00	10.0
92) Chlorobenzene	(3)					ND	ND			1.00	10.0
94) Ethylbenzene	(3)					ND	ND			1.00	10.0
95) m+p-Xylene	(3)					ND	ND			1.00	10.0
96) Xylene (Total)	(3)					ND	ND			1.00	10.0
97) o-Xylene	(3)					ND	ND			1.00	10.0
98) Styrene	(3)					ND	ND			1.00	10.0
99) Bromoform	(2)					ND	ИD			1.00	10.0
08) 1,1,2,2-Tetrachloroethane	(3)					ND	ND			1.00	10.0

Comments:		
Analyst: Muss		Date: 1/24/04
Auditor:	1~~~	Date: ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~

Page 2 of 2



Quant Report

Target Revision 3.5

Instrument ID: HP07566.i Data File: /chem/HP07566.i/06jan26b.b/rj26b01.d Injection date and time: 26-JAN-2006 17:32 Analyst ID: JML01693

Method used: /chem/HP07566.i/06jan26b.b/ROLM32SL.m Sublist used: 7157

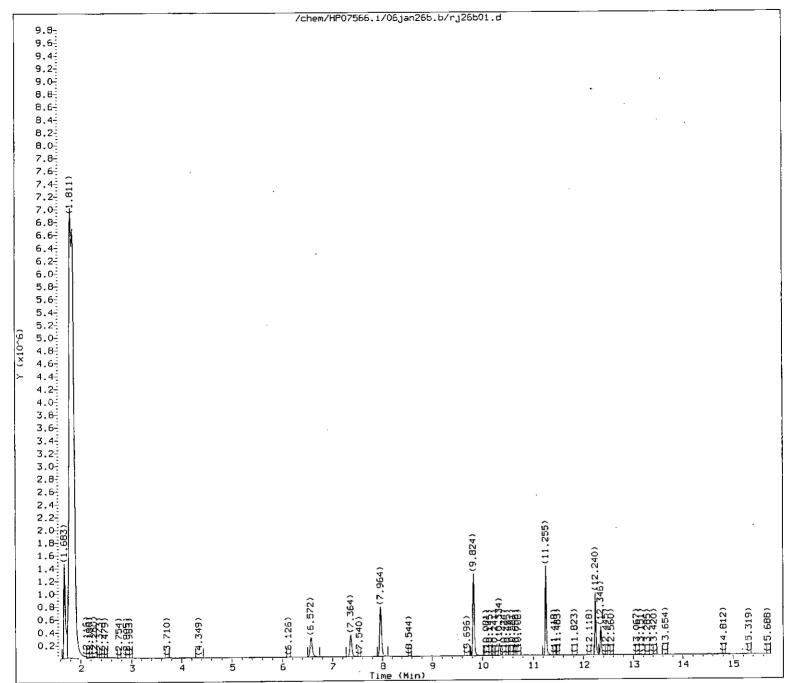
Calibration date and time: 29-JUN-2005 10:37
Date, time and analyst ID of latest file update: 26-Jan-2006 18:07 jml01693

Sample Name: VBLKR37

Lab Sample ID: VBLKR37

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
43)*Bromochloromethane 58)*1,4-Difluorobenzene 91)*Chlorobenzene-d5 50)\$1,2-Dichloroethane-d4 78)\$Toluene-d8 103)\$4-Bromofluorobenzene	===== (1) (2) (3) (1) (3)	6.572 7.964 11.255 7.364 9.824	128 114 117 65 98	122025 772372 692698 409294 947695 321215	50.000 50.000 50.000 50.543 51.691 43.272

^{* =} Compound is an internal standard.
\$ = Compound is a surrogate standard.



Tentatively Identified Compounds (TICs) Chromatograms

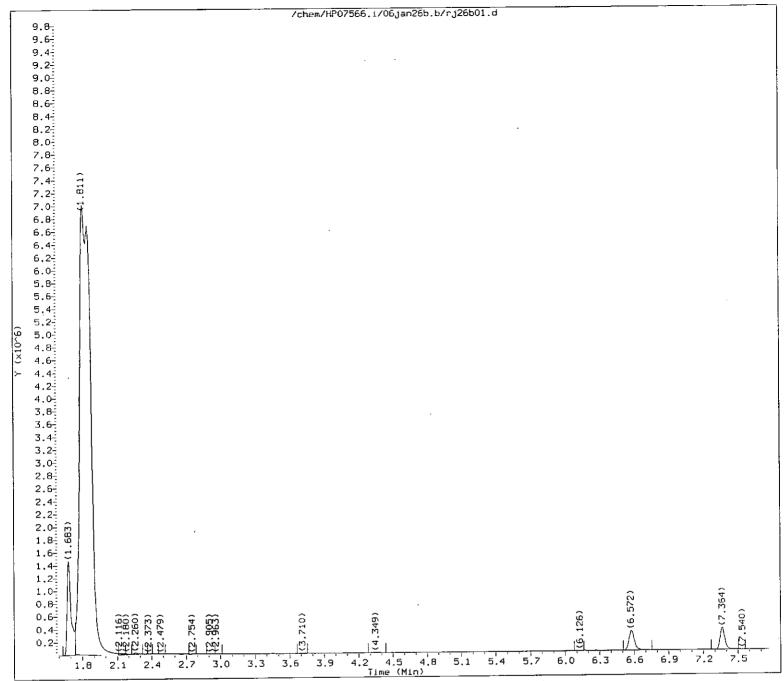
Data File: /chem/HP07566.i/06jan26b.b/rj26b01.d Instrument ID: HP07566.i Injection date and time: 26-JAN-2006 17:32 Analyst ID: JML01693

Date, time and analyst ID of latest file update: 26-Jan-2006 18:03 jml01693

Sample Name: VBLKR37 Lab Sample ID: VBLKR37

Chromatogram Start Time (min.): 1.593 Chromatogram End Time (min.): 15.749

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Tentatively Identified Compounds (TICs) Chromatograms

Data File: /chem/HP07566.i/06jan26b.b/rj26b01.d Instrument ID: HP07566.i Injection date and time: 26-JAN-2006 17:32 Analyst ID: JML01693

Date, time and analyst ID of latest file update: 26-Jan-2006 18:03 jml01693

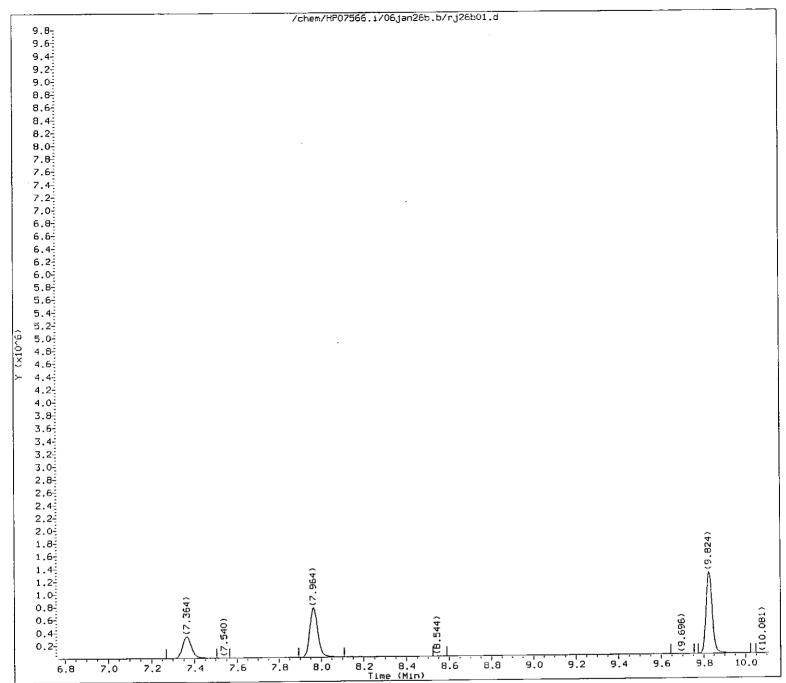
Sample Name: VBLKR37 Lab Sample ID: VBLKR37

Internal Standard referenced: Bromochloromethane at 6.572 minutes

Chromatogram Start Time (min.): 1.593 Chromatogram End Time (min.): 7.268

8377

Middle page 2 of 4



Tentatively Identified Compounds (TICs) Chromatograms

Data File: /chem/HP07566.i/06jan26b.b/rj26b01.d Instrument ID: HP07566.i Injection date and time: 26-JAN-2006 17:32 Analyst ID: JML01693

Date, time and analyst ID of latest file update: 26-Jan-2006 18:03 jml01693

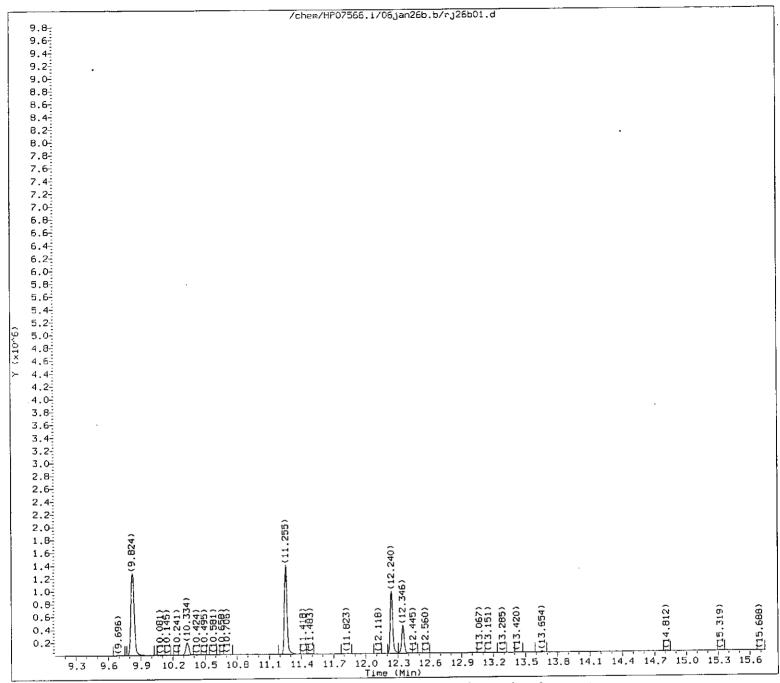
Sample Name: VBLKR37 Lab Sample ID: VBLKR37

Internal Standard referenced: 1,4-Difluorobenzene at 7.964 minutes

Chromatogram Start Time (min.): 7.268 Chromatogram End Time (min.): 9.609

6378

Middle page 3 of 4



Tentatively Identified Compounds (TICs) Chromatograms

Data File: /chem/HP07566.i/06jan26b.b/rj26b01.d Instrument ID: HP07566.i Injection date and time: 26-JAN-2006 17:32 Analyst ID: JML01693

Date, time and analyst ID of latest file update: 26-Jan-2006 18:03 jml01693

Sample Name: VBLKR37 Lab Sample ID: VBLKR37

Internal Standard referenced: Chlorobenzene-d5 at 11.255 minutes

Chromatogram Start Time (min.): 9.609 Chromatogram End Time (min.): 15.749

#379

page 4 of 4

Report Date: 26-Jan-2006 18:07

Lancaster Laboratories

Data file : /chem/HP07566.i/06jan26b.b/rj26b01.d

Lab Smp Id: VBLKR37 Client Smp ID: VBLKR37

Inj Date : 26-JAN-2006 17:32

Operator : JML01693 Inst ID: HP07566.i

Smp Info : VBLKR37;VBLKR37;2;3;;

Misc Info: 7157.sub; R060261AA; 5; ; 5; ;;

Comment : Max. number of TICs to report is 31, 2 TICs were found initially.

Method : /chem/HP07566.i/06jan26b.b/ROLM32SL.m

 Meth Date : 26-Jan-2006 18:03 jml01693
 Quant Type: ISTD

 Cal Date : 26-JAN-2006 16:59
 Cal File: rj26c01.d

 Als bottle: 2
 QC Sample: BLANK

Dil Factor: 1.00000

Integrator: Falcon Compound Sublist: 7157.sub

Target Version: 3.50
Processing Host: d21cs04

Concentration Formula: Amt * DF * (Vt/Ws) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
۷t	5.00000	Purge Volume
Ws	5.00000	Soil Weight

Cpnd Variable

Local Compound Variable

ISTD	RT	AREA	AMOUNT	
======	====	=====	=====	
* 91 Chlorobenzene-d5	11.255	2397903	50.000	

		CONCENT	RATIONS		C	TIMAU	
RT	AREA	ON-COL(ug/L)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
		=======================================	****========	* * * * *	======	=======	
Unknown	siloxane			CAS	#:		
10.334	411292	8.57606717	8.5761	0		0	91
Unknown	siloxane			CAS	#:		
12.346	789858	16.4697579	16.46976	0		0	91 (L)

QC Flag Legend

L - Operator selected an alternate library search match.

May 06 8388

Data File: /chem/HP07566.i/06jan26b.b/rj26b01.d

Date : 26-JAN-2006 17:32

Client ID: VBLKR37

Instrument: HP07566.i

Sample Info: VBLKR37; VBLKR37;2;3;;

Operator: JML01693

Column phase: DB-624

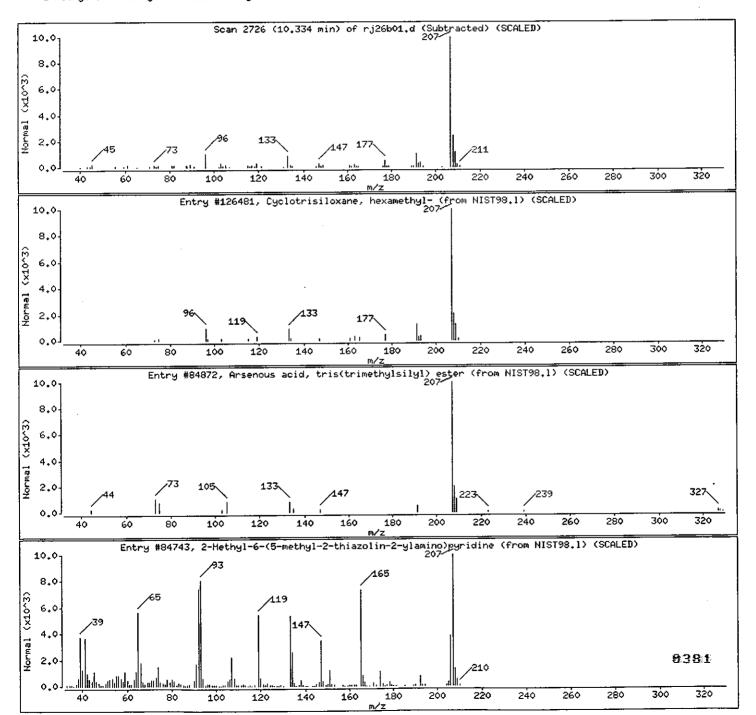
Column diameter: 0.25

Review Code:

Library Search Compound Match

Cyclotrisiloxane, hexamethyl-Arsenous acid, tris(trimethylsilyl) este 2-Methyl-6-(5-methyl-2-thiazolin-2-ylami

Weight Quality Formula Entry Library 91 C6H18O3Si3 222 541-05-9 **NIST98.1** 126481 C9H27As03Si3 342 84872 56 NIST98.1 55429-29-3 C10H13H3S 207 1000225-39-3 HIST98.1 84743 47



Data File: /chem/HP07566.i/06jan26b.b/rj26b01.d

Date : 26-JAN-2006 17:32

Client ID: VBLKR37

Instrument: HP07566.i

Sample Info: VBLKR37;VBLKR37;2;3;;

Column phase: DB-624

Malae

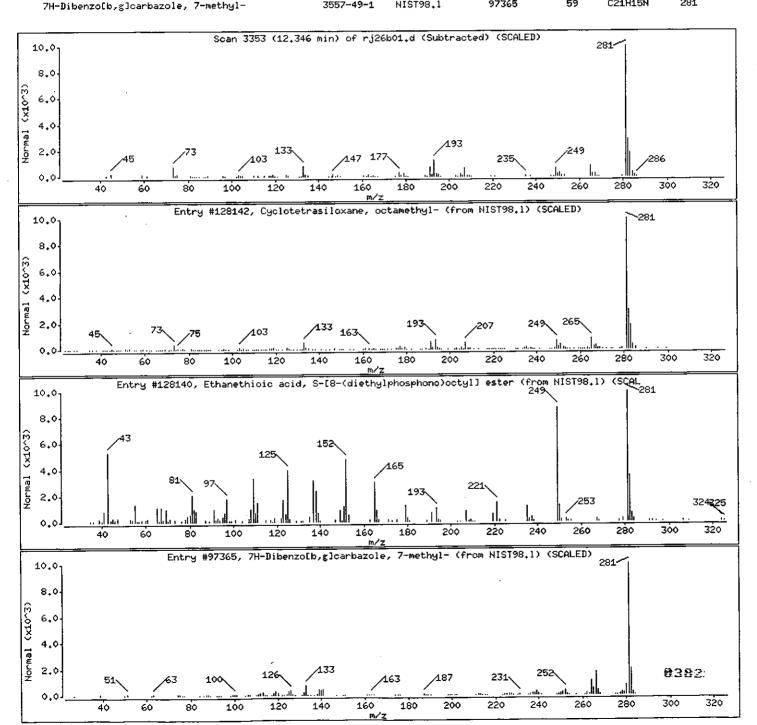
Operator: JML01693 Column diameter: 0.25

Review Code:

Library	Search	Compound	Hatch
---------	--------	----------	-------

Cyclotetrasiloxane, octamethyl-Ethanethioic acid, S-[8-(diethylphosphon

Weight Quality Formula Entry 296 128142 90 C8H24O4Si4 556-67-2 NIST98.1 324 81 C14H2904PS 129065-11-8 NIST98.1 128140 59 C21H15N 281 3557-49-1 NIST98.1 97365



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKR34

Lab Name: Lancaster Laboratories Contract:____

Lab Code: LANCAS Case No.:____ SAS No.:___ SDG No.:___

Matrix: (soil/water) WATER Lab Sample ID: VBLKR34

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: HP07566.i/06jan24d.b/rj24b01.d

Level: (low/med) LOW

Date Received:

Moisture: not dec. ____ Date Analyzed: 01/24/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

CONCENTRATION UNITS:

nene de ride nane pethane		3 2 3 3 1 6 3 2 2 2 3 1 1	U
le ride nane oethane		3 3 1 6 3 2 2 2 3 1	U
le ride nane oethane		3 1 6 3 2 2 2 3 1	U
le ride nane oethane		1 6 3 2 2 2 3 1	U
le ride nane oethane		6 3 2 2 2 3 1	U U U U U U U U U U U U U U U U U U U
le ride nane oethane		3 2 2 3 1	U U U U U
ride nane nethane		2 2 3 1	U U U U
ride nane nethane		2 3 1	U U U U
nane oethane		3 1 1	U U U
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	1	1	ΰ
nane	i	2	ט
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- opane	i	1	U
ethane	į	1	ប
ropropene	i	1	jυ
tanone	i	5	Ū
canone	ì	2	j υ
loroproper	ne	1	ָ ט
oethane		2	Ū
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	ethane	ethane	1 2

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKR34

Lab Name: Lancaster Laboratories Contract:_____

Matrix: (soil/water) WATER

Lab Sample ID: VBLKR34

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP07566.i/06jan24d.b/rj24b01.d

Level: (low/med) LOW Date Received:

Moisture: not dec. ____

Date Analyzed: 01/24/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

CONCENTRATION UNITS:

CAS NO. COMPOUND

(ug/L or ug/Kg) MDL ug/L Q

į	75-25-2Bromoform	1 1	ប
	79-34-51,1,2,2-Tetrachloroethane	2	U
	540-59-01,2-Dichloroethene (Total)	1	ָ ט
1	340 35 0	İ	

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

VBLKR34

Lal	b	Name:	Lancaster	La	bora	tories

Contract:____

Lab Code: LANCAS Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: VBLKR34

Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP07566.i/06jan24d.b/rj24b01.d

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 01/24/06

GC Column: DB-624 ID: 0.25 .(mm) Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

Number TICs found: 0

	COMPOUND NAME	RT		
1	======================================	=== ===================================	====================================	======
2				
n				<u> </u>
4				
5				
6		i		
7				İ
8				İ
9	*			l
10 I				l
			<u> </u>	<u> </u>
12				l
L3				l
14				
15				<u> </u>
· ~		l <u></u> _		1
				<u> </u>
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8385

VBLKR34

Quantitation Report GC/MS Volatiles VBLKR34

File: /chem/HP07566.i/06jan24d.b/rj24b01.d

Sample: VBLKR34; VBLKR34; 1; 3;; Injected At: 24-JAN-2006 18:56 Calibration Time: 24-JAN-2006 11:40

Target Method: ROLM32W.m

Blank Reference: Sublist: 7156

Sample Concentration Formula: On-Column Amount * (Vt/Vo)

Batch:R060241AA

Analyst:JML01693

Instrument ID: HP07566.i

Standard Reference: rj24c01.d

Prep Factor:1.00

Units: ug/L

Matrix: WATER

Level: Low

Sample Wt./Vol.: 5.0000 ml (Vo)

Volume Purged: 5.0 ml (Vt)

Internal Standards	RT (+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ext)	QC Flag
=======================================		====		**==*==	========	======
42) Bromochloromethane	6.590(-0.005)	1558	128	132168(-3)	50.00	
56) 1.4-Difluorobenzene	7.979(-0.009)	1991	114	816372(-2)	50.00	
87) Chlorobenzene-d5	11.260(-0.005)	3014	117	752633(-3)	50.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE

NC = NOT ABLE TO CALCULATE

	I.S.			Conc.		QC	
Surrogate Standards	Ref. RT (+/-RRT)	QIon	Area	(on column)	%Rec.	flags	QC Limits
381103414 84444		=====	==========	=======================================	=======	# E = = = = =	
49) 1,2-Dichloroethane-d4	(1) 7.376 (0.000)	65	361969	51.706	103%		76 - 114
•	(3) 9.833 (0.000)	98	984274	49.937	100%		88 - 110
75) Toluene-d8		95	389323	50.009	100%		86 - 115
99) 4-Bromofluorobenzene	(3) 12.242(0.000)	23	303223				

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE

D = DILUTED OUT NC = NOT ABLE TO CALCULATE

				•			Conc.	Conc.	Blank	I	Reporting	3
		I.S.		((200)	QIon	Area	(on column)	(in sample)	Conc.	Qual.	Limit	LOQ
Tar	get Compounds	Ref.	RT	(+/-RRT)	Qion	ALCO		=========		=*====×	======	======
	=======================================		== # = =	=======	*====	========	ND	ND			3.00	10.00
2)	Chloromethane	(1)					ND ND	ND			2.00	10.00
3)	Vinyl Chloride	(1)					ND	ND			3.00	10.00
5)	Bromomethane	(1)					ND	ND			3.00	10.00
6)	Chloroethane	(1)					ND	ND			1.00	10.00
10)	1,1-Dichloroethene	(1)						ND			6.00	10.00
16)	Acetone	(1)					ND	ND			3.00	10.00
18)	Carbon Disulfide	(1)					ND	ND			2.00	10.00
21)	Methylene Chloride	(1)					ND				1.00	10.00
25)	trans-1,2-Dichloroethene	(1)					ND	NĎ			2.00	10.00
31)	1,1-Dichloroethane	(1)					ND	ND			1.00	10.00
37)	cis-1,2-Dichloroethene	(1)					Й	ND			3.00	10.00
39)	2-Butanone	(1)					ND	ND			1.00	10.00
44)	Chloroform	(1)					ОИ	ND			1.00	10.00
45)	1,1,1-Trichloroethane	(2)					ND	ИD			1.00	10.00
48)	Carbon Tetrachloride	(2)					ND	ИD			1.00	10.00
145)	1,2-Dichloroethene (Total)	(1)					ND	ИD			1.00	10.00
50)	Benzene	(2)					ND	ир			2.00	10.00
51)	1,2-Dichloroethane	(1)					ND	ИĎ			1.00	10.00
59)	·	(2)					ND	ND				10.00
•	1,2-Dichloropropane	(2)					ND	ND			1.00	
	Bromodichloromethane	(2)					DN	ND			1.00	10.00
	cis-1,3-Dichloropropene	(2)					ND	ND			1.00	10.00
	4-Methyl-2-Pentanone	(3)					ND	. ND			5.00	10.00
	Toluene	(3)					ND	ND			2.00	10.00
10,	10145115											

E = CONC. OUT OF CAL. RANGE

= RELATIVE RETENTION TIME OUT OF RANGE

Page 1 of 2

VBLKR34

Lancaster Laboratories Quantitation Report GC/MS Volatiles

VBLKR34

File: /chem/HP07566.i/06jan24d.b/rj24b01.d

Sample: VBLKR34; VBLKR34;1;3;; Injected At:24-JAN-2006 18:56

Calibration Time: 24-JAN-2006 11:40

Target Method: ROLM32W.m

Blank Reference: Sublist: 7156 Sample Concentration Formula: On-Column Amount * (Vt/Vo)

Batch:R060241AA

Matrix: WATER Level: Low

.

Analyst:JML01693

Instrument ID:HP07566.i Standard Reference: rj24c01.d Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)

Prep Factor:1.00

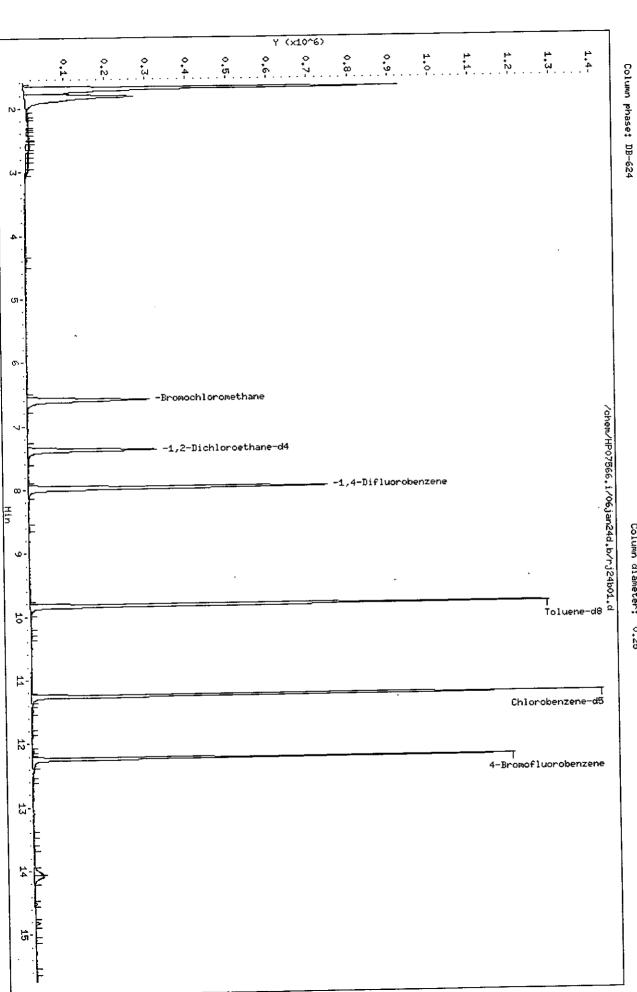
Units: ug/L

	I.S.		. ,		•	Conc.	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	roo 1
Target Compounds	Ref.	RT	(+/-RRT)	QIon	Area	(on column)	(III Sample)				===##
	**====	=====	======	*====	========	. =====================================	===============			1.00	10.00
7) trans-1,3-Dichloropropene	(2)					ИĎ	ND			2.00	10.0
9) 1,1,2-Trichloroethane	(2)					ИD	DИ			1.00	10.0
1) Tetrachloroethene	(3)					ИD	ND				
3) 2-Hexanone	(3)					ND	ND			7.00	10.0
4) Dibromochloromethane	(2)					ND	ND			2.00	10.0
(8) Chlorobenzene	(3)					ND	ND			1.00	10.0
00) Ethylbenzene	(3)					ND	ND			2.00	10.0
1) m+p-Xylene	(3)					ND	ND			1.00	10.0
)2) Xylene (Total)	(3)					ND	ИD			1.00	10.0
-	(3)					ND	ИD			1.00	10.0
03) o-Xylene	(3)					ND	ND			1.00	10.0
94) Styrene	(2)					ИД	ND			1.00	10.0
95) Bromoform						ND	ND			2.00	10.0
3) 1,1,2,2-Tetrachloroethane	(3)										

Comments:			
Analyst:	mez		Date:
Auditor:		94(221	

Page 2 of 2

Purge Volume: 5.0 Sample Info: VBLKR34;VBLKR34;1;3;; Client ID: VBLKR34 Date : 24-JAN-2006 18:56 Data File: /chem/HP07566.i/06jan24d.b/rj24b01.d Operator: JML01693 Column diameter: 0,25 Instrument: HP07566.i Mal. 8388 Page 1



Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan24d.b/rj24b01.d Instrument ID: HP07566.i Injection date and time: 24-JAN-2006 18:56 Analyst ID: JML01693

Method used: /chem/HP07566.i/06jan24d.b/ROLM32W.m Sublist used: 7156

Calibration date and time: 24-JAN-2006 11:40

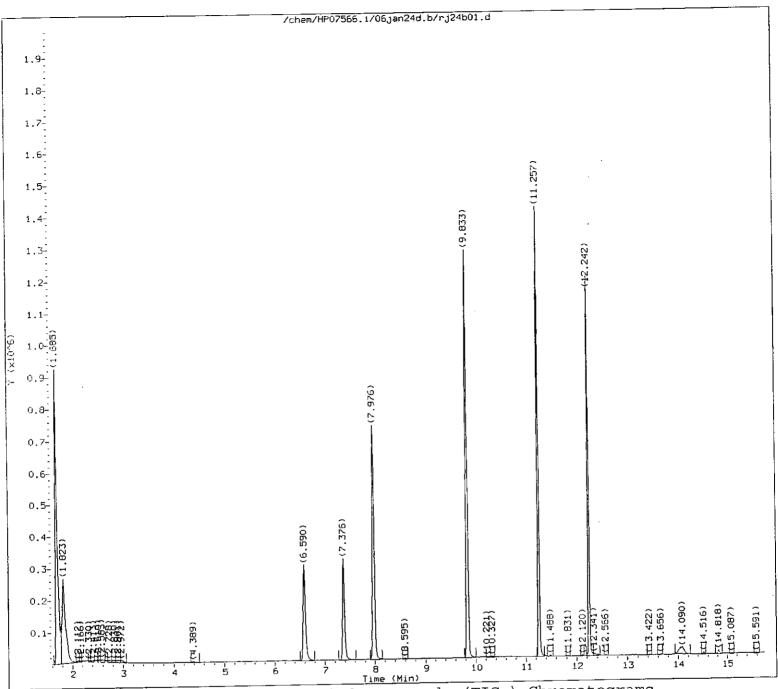
Date, time and analyst ID of latest file update: 24-Jan-2006 20:35 jml01693

Sample Name: VBLKR34 Lab Sample ID: VBLKR34

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
	======	======	= ====	=======================================	=======================================
42) *Bromochloromethane	(1)	6.590	128	132168	50.000
56) *1,4-Difluorobenzene	(2)	7.979	114	816372	50.000
87) *Chlorobenzene-d5	(3)	11.260	117	752633	50.000
49)\$1,2-Dichloroethane-d4	(1)	7.376	65	361969	51.706
75) \$Toluene-d8	(3)	9.833	98	984274	49.937
99) \$4-Bromofluorobenzene	(3)	12.242	95	389323	50.009

^{* =} Compound is an internal standard.

^{\$ =} Compound is a surrogate standard.



Tentatively Identified Compounds (TICs) Chromatograms

Data File: /chem/HP07566.i/06jan24d.b/rj24b01.d Injection date and time: 24-JAN-2006 18:56

Instrument ID: HP07566.i Analyst ID: JML01693

Date, time and analyst ID of latest file update: 25-Jan-2006 08:13 sam00983

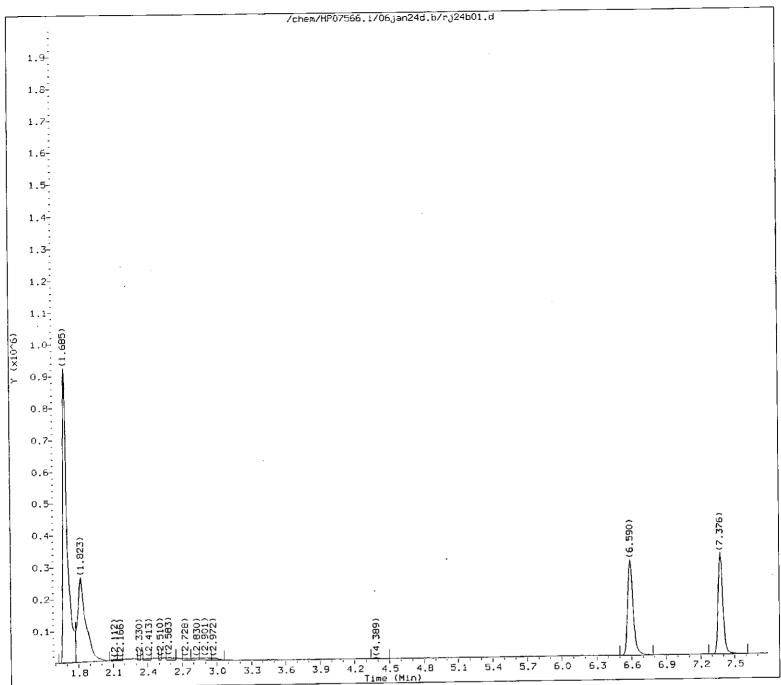
Sample Name: VBLKR34

Lab Sample ID: VBLKR34

Chromatogram Start Time (min.): 1.595 Chromatogram End Time (min.): 15.748

Mar)

8396° page 1 of 4



Tentatively Identified Compounds (TICs) Chromatograms

Mats

Target Revision 3.5

Data File: /chem/HP07566.i/06jan24d.b/rj24b01.d Instrument ID: HP07566.i Injection date and time: 24-JAN-2006 18:56 Analyst ID: JML01693

Date, time and analyst ID of latest file update: 25-Jan-2006 08:13 sam00983

Sample Name: VBLKR34

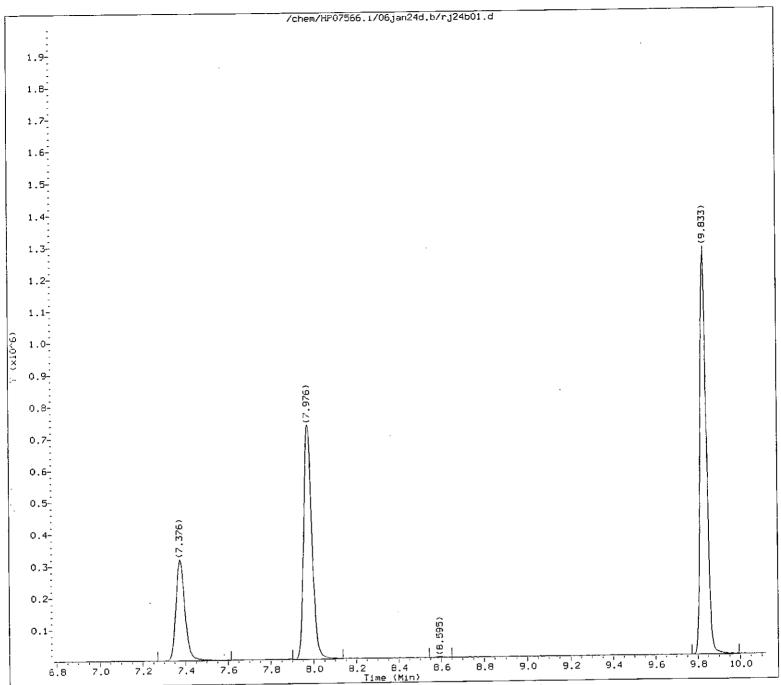
Lab Sample ID: VBLKR34

Internal Standard referenced: Bromochloromethane at 6.590 minutes

Chromatogram Start Time (min.): 1.595 Chromatogram End Time (min.): 7.284

page 2 of 4

839±



Tentatively Identified Compounds (TICs) Chromatograms

Data File: /chem/HP07566.i/06jan24d.b/rj24b01.d Injection date and time: 24-JAN-2006 18:56

Instrument ID: HP07566.i Analyst ID: JML01693

Date, time and analyst ID of latest file update: 25-Jan-2006 08:13 sam00983

Sample Name: VBLKR34

Lab Sample ID: VBLKR34

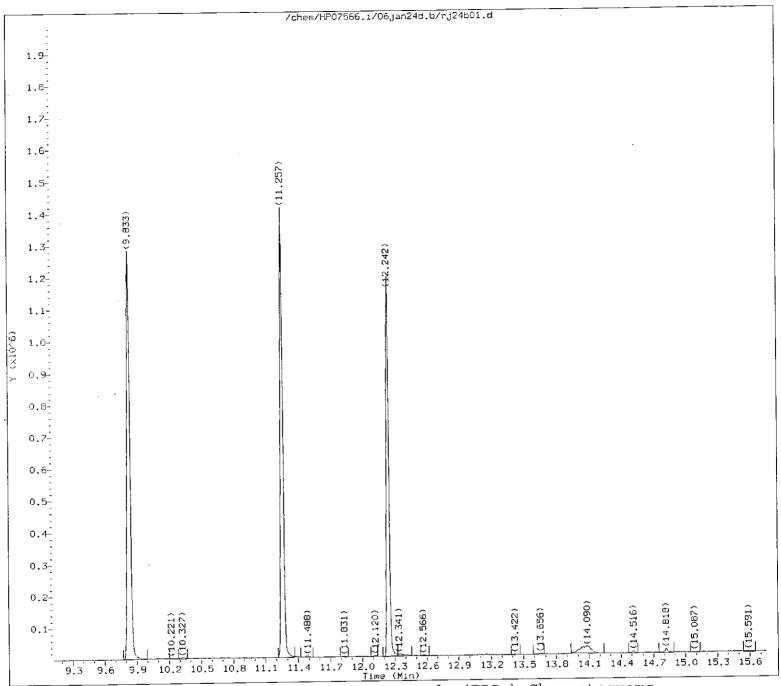
MICH 1

Internal Standard referenced: 1,4-Difluorobenzene at 7.979 minutes

Chromatogram Start Time (min.): 7.284 Chromatogram End Time (min.): 9.620

8392

page 3 of 4



Tentatively Identified Compounds (TICs) Chromatograms

Data File: /chem/HP07566.i/06jan24d.b/rj24b01.d Inst Injection date and time: 24-JAN-2006 18:56 Anal

Instrument ID: HP07566.i Analyst ID: JML01693

Date, time and analyst ID of latest file update: 25-Jan-2006 08:13 sam00983

Sample Name: VBLKR34

Lab Sample ID: VBLKR34

Internal Standard referenced: Chlorobenzene-d5 at 11.260 minutes

Chromatogram Start Time (min.): 9.620 Chromatogram End Time (min.): 15.748

0393

page 4 of 4

Page 1 Data File: /chem/HP07566.i/06jan24d.b/rj24b01.d

Report Date: 25-Jan-2006 08:48

Lancaster Laboratories

Data file: /chem/HP07566.i/06jan24d.b/rj24b01.d Lab Smp Id: VBLKR34 Client S Inj Date: 24-JAN-2006 18:56 Client Smp ID: VBLKR34

Inst ID: HP07566.i Operator : JML01693

Smp Info : VBLKR34; VBLKR34; 1; 3;;

Misc Info : ATTB.sub;R060241AA;;5;5;;;

Comment : Max. number of TICs to report is 30, 0 TICs were found initially.

: /chem/HP07566.i/06jan24d.b/ROLM32W.m Method

Meth Date: 25-Jan-2006 07:51 sam00983 Quant Type: ISTD Cal File: rj24c01.d

Cal Date : 24-JAN-2006 18:19 QC Sample: BLANK Als bottle: 2

Dil Factor: 1.00000 Integrator: Falcon

Compound Sublist: 7156.sub

Target Version: 3.50 Processing Host: d21cs04

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

WM) 5/06

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab	Name:	Lancaster	Laboratories	Contrac	ct:	1	

Matrix: (soil/water) SOIL Lab Sample ID: 4692565

Sample wt/vol: 6.32 (g/mL) g Lab File ID: HP07566.i/06jan26b.b/rj26s02.d

Level: (low/med) LOW Date Received: 01/20/06

Moisture: not dec. 12 Date Analyzed: 01/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: ____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug	g/L or ug/Kg)	MDL ug/Kg	Q
74-87-3	Chloromethane		2	U
	Vinyl Chloride		2	ן ט
	Bromomethane		3	ן ט
75-00-3	Chloroethane		3	ן ט
75-35-4	1,1-Dichloroethene	a	39	
67-64-1		1	12	
	Carbon Disulfide	. 1	5	J
	Methylene Chloride	=	2	ן ט
	1,1-Dichloroethan		0.9	ן ט ן
	1,2-Dichloroethen		2	ן ט ן
1	2-Butanone	İ	-6	ן ט
67-66-3	Chloroform	1	0.9	ן ט ן
	1,1,1-Trichloroet	hane	0.9	U
	Carbon Tetrachlor		0.9	ן ש ן
71-43-2			38	1
	1,2-Dichloroethan	e	2 .	ן ט
	Trichloroethene	1	34	
	1,2-Dichloropropa	ne	′ 3	ן ט
	Bromodichlorometh		2	U
	cis-1,3-Dichlorop		0.9	ן ט
	4-Methyl-2-Pentan		3	ן ט
108-88-3			44	
	trans-1,3-Dichlor	opropene	0.9	ן ט
	1,1,2-Trichloroet		2	ן ט
	Tetrachloroethene	!	0.9	ן ט
	2-Hexanone	ĺ	3	ן ט ן
	Dibromochlorometh	ane	0.9	ן ט
	Chlorobenzene	į	33	
	Ethylbenzene	j	0.9	ן ט
	Xylene (Total)	j	2	J
j				_

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract:							
Lab Code: LANCAS Case No.:	SAS No.: SDG No.:							
Matrix: (soil/water) SOIL	Lab Sample ID: 4692565							
Sample wt/vol: 6.32 (g/mL) g	Lab File ID: HP07566.i/06jan26b.b/rj26s02.d							
Level: (low/med) LOW	Date Received: 01/20/06							
Moisture: not dec. 12	Date Analyzed: 01/26/06							
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0							
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)							
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL ug/Kg Q							
100-42-5Styrene	0.9 U							
75-25-2Bromoform	0.9 U							
79-34-51,1,2,2-Tetra	achloroethane 0.9 U							

6005-MS

Lancaster Laboratories Quantitation Report GC/MS Volatiles 4692565

File: /chem/HP07566.i/06jan26b.b/rj26s02.d

Sample: 6005-MS;4692565;2;3;MS; Injected At:26-JAN-2006 19:34

Calibration Time: 29-JUN-2005 10:37

Target Method: ROLM32SL.m Blank Reference: rj26b01.d

Sublist: 7157

Sample Concentration Formula: On-Column Amount * (Vt/Ws) Matrix: SOIL

Batch:R060261AA

Analyst:JML01693

Level: Low

Instrument ID: HP07566.i

Standard Reference: rj26c01.d

Sample Wt./Vol.: 6.3200 g (Ws) Volume Purged: 5.0 ml (Vt)

Prep Factor: 0.79

Units: ug/Kg

RT(+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ext)	QC Flag	
===#====	====	====	=======================================	====	======	
6.569(0.004)	1552	128	109920(-14)	50.00		
7,961(-0.003)	1986	114	705962(-14)	50.00		
11.252(0.001)	3012	117	527198(-31)	50.00		
	6.569(0.004) 7.961(-0.003)	6.569(0.004) 1552 7.961(-0.003) 1986	6.569 (0.004) 1552 128 7.961 (-0.003) 1986 114	6.569(0.004) 1552 128 109920(-14) 7.961(-0.003) 1986 114 705962(-14)	6.569 (0.004) 1552 128 109920 (-14) 50.00 7.961 (-0.003) 1986 114 705962 (-14) 50.00	

= RETENTION TIME OUT OF RANGE

* = INTERNAL STANDARD OUT OF RANGE

NC = NOT ABLE TO CALCULATE

	I.S.					Conc.		QC	
Surrogate Standards	Ref.	RŤ	(+/-RRT)	QIon	Area	(on column)	*Rec.	flags	QC Limits
201109866 Deanates	**===		== = ====	=====	******	#====##### #	*======	======	
50) 1,2-Dichloroethane-d4	(1)	7.358	(-0.001)	65	387980	53.187	106%		70 - 121
	•		(0.000)	98	808730	57.958	116%		84 - 138
78) Toluene-d8	· - ·		(0.000)	95	197653	34.986	70%		59 - 113

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE

D = DILUTED OUT NC = NOT ABLE TO CALCULATE

		I.S.					Conc.	Conc.	Blank	ī	Reporting	г
_		Ref.	RT (+/	-RRT)	Olon	Area	(on column)	(in sample)	Conc.	Qual.	Limit	LOQ
	get Compounds	RCL.			~	38000000	=======================================	===****=====		======	=3====	
		(1)		•			ND	ND			1.58	7.91
	Chloromethane	(1)					ИД	ND			1.58	7.91
	Vinyl Chloride						ND	NÐ			2.37	7.91
-	Bromomethane	(1)					ND	ND			2.37	7.91
-,	Chloroethane	(1)	2 505/ 0		96	211185	43.088	34.09			1.58	7.91
10)	1,1-Dichloroethene	(1)	3.685(0			33229	12.998	10.28			5.54	7.91
	Acetone	(1)	3.707(0		43	107178	5.821	4.61		J	2.37	7.91
18)	Carbon Disulfide	(1)	3.993(0).001)	76	10/1/8	ND	ND			1.58	7.91
22)	Methylene Chloride	(1)					ND ND	ND			1.58	7.91
26)	trans-1,2-Dichloroethene	(1)						ND	,		0.79	7.91
31)	1,1-Dichloroethane	(1)					ND	ND			1.58	7.91
37)	cis-1,2-Dichloroethene	(1)					ND	ND ND			5.54	7.91
40)	2-Butanone	(1)					ND				0.79	7.91
45)	Chloroform	(1)					ND	ND			0.79	7.91
46)	1,1,1-Trichloroethane	(2)					ND	ND			0.79	7.91
49)	Carbon Tetrachloride	(2)					ND	ND				7.91
38)	1,2-Dichloroethene (Total)	(1)					ND	ND			1.58	
52)	Benzene	(2)	7.451((000.0	78	974624	42.232	33.41			0.79	7.91 7.91
53)	1.2-Dichloroethane	(1)					ND	ND			1.58	
61)	Trichloroethene	(2)	8.314(0.000)	130	211171	38.289	30.29			0.79	7.91
	1,2-Dichloropropane	(2)					ND	ND			2.37	7.91
	Bromodichloromethane	(2)					ИD	ИD			1.58	7.91
75)		(2)					ND	ND			0.79	7.91
- ,	4-Methyl-2-Pentanone	(3)					ND	ND			2.37	7.91
	Toluene	(3)	9.895(0.000)	91	971060	48.988	38.76			0.79	7.91
80)	TOTALLE	,-,	•									

E = CONC. OUT OF CAL. RANGE

= RELATIVE RETENTION TIME OUT OF RANGE

Page 1 of 2

6005-MS

Lancaster Laboratories Quantitation Report GC/MS Volatiles 4692565

File: /chem/HP07566.i/06jan26b.b/rj26s02.d

Sample: 6005-MS;4692565;2;3;MS; Injected At:26-JAN-2006 19:34

Calibration Time: 29-JUN-2005 10:37

Target Method: ROLM32SL.m Blank Reference: rj26b01.d

Sublist: 7157

Sample Concentration Formula: On-Column Amount * (Vt/Ws) Matrix: SOIL

Batch:R060261AA

Analyst:JML01693

Level: Low

Instrument ID: HP07566.i

Standard Reference: rj26c01.d

Sample Wt./Vol.: 6.3200 g (Ws) Volume Purged: 5.0 ml (Vt)

Prep Factor:0.79

Units: ug/Kg

						<u> </u>				_
	I.S.				Conc.	Conc.	Blank	Ī	Reporting	ı
Target Compounds	Ref.	RT (+/-RRT)	QIon	Area	(on column)	(in sample)	Conc.	Qual.	Limit	LOQ
	=====	=======================================	=====	=======	£========	**********		=======	======	======
81) trans-1,3-Dichloropropene	(2)				ND	ND			0.79	7.91
83) 1,1,2-Trichloroethane	(2)				ND	ND			1.58	7.91
85) Tetrachloroethene	(3)				ND	ND			0.79	7.91
	(3)				ND	ND			2.37	7.91
87) 2-Hexanone	(2)				ND	ND			0.79	7.91
88) Dibromochloromethane		11.278(0.000)	112	446810	37,073	29.33			0.79	7.91
92) Chlorobenzene	(3)	11.2/8(0.000)	112	440020	ND	ND			0.79	7.91
94) Ethylbenzene	(3)			15650	1.865	1.48		J	0.79	7.91
95) m+p-Xylene	(3)	11.477(-0.001)	106	15659		1.50		J	0.79	7.91
96) Xylene (Total)	(3)		106	15659	1.890	ND		•	0.79	7.91
97) o-Xylene	(3)				ND				0.79	7.91
98) Styrene	(3)				ND	ND				7.91
99) Bromoform	(2)				ND	ND			0.79	
108) 1,1,2,2-Tetrachloroethane	(3)				ИD	ND			0.79	7.91

E = CONC. OUT OF CAL. RANGE

= RELATIVE RETENTION TIME OUT OF RANGE

Comments:				
Analyst:	yean		Date:	2/3/04
Auditor:		~~	Date:	713/06

Page 2 of 2

Y (x10^7) 0.7-1,2 1,3 1,4-ំ ខ្ម 0.9. 1.0-0.2-0,3-0.4-Column phase: DB-624 Sample Info: 6005-MS;4692565;2;0;; Client ID: 6005-MS Date : 26-JAN-2006 19:34 Data File: /chem/HP07566.i/06jan26b.b/rj26s02.d -Bromochloromethane /chem/HP07566.i/06jan26b.b/rj26s02.d -1,2-Dichloroethane-d4 -1,4-Difluorobenzene Operator: JML01693 Column diameter: 0,25 Instrument: HP07566.i Q -Toluene-d8 11 -Chlorobenzene-d5+ 12 4-Bromofluorobenzene minimization in the 8399 Page 1 15

Quant Report

Target Revision 3.5

Instrument ID: HP07566.i Analyst ID: JML01693 Data File: /chem/HP07566.i/06jan26b.b/rj26s02.d Injection date and time: 26-JAN-2006 19:34

Method used: /chem/HP07566.i/06jan26b.b/ROLM32SL.m Sublist used: 7157 Calibration date and time: 29-JUN-2005 10:37 Date, time and analyst ID of latest file update: 03-Feb-2006 09:48 rvn00349

Lab Sample ID: 4692565 Sample Name: 6005-MS

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
10) 1,1-Dichloroethene 16) Acetone 18) Carbon Disulfide 43)*Bromochloromethane 52) Benzene 58)*1,4-Difluorobenzene 61) Trichloroethene 80) Toluene 91)*Chlorobenzene-d5 92) Chlorobenzene 95) m+p-Xylene 96) Xylene (Total) 50)\$1,2-Dichloroethane-d4 78)\$Toluene-d8 103)\$4-Bromofluorobenzene	(1) (1) (1) (2) (2) (2) (3) (3) (3) (3) (3) (3)	3.685 3.707 3.993 6.569 7.451 7.961 8.314 9.895 11.252 11.278 11.477 7.358 9.821 12.237	96 43 76 128 78 114 130 91 117 112 106 106 65 98	211185 33229 107178 109920 974624 705962 211171 971060 527198 446810 15659 15659 387980 808730 197653	43.088 12.998 5.821 50.000 42.232 50.000 38.289 48.988 50.000 37.073 1.865 1.890 53.187 57.958 34.986

^{* =} Compound is an internal standard.
\$ = Compound is a surrogate standard.

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCSR37	
	١

Lab Name: Lancaster Laboratories Contract:_____

Matrix: (soil/water) SOIL

Lab Sample ID: LCSR37

Sample wt/vol: 5.00 (g/mL) g Lab File ID: HP07566.i/06jan26b.b/rj26101.d

Level: (low/med) LOW

Date Received:

Moisture: not dec.

Date Analyzed: 01/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: ____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) MDL ug/Kg Q CAS NO. COMPOUND

74-87-3Chloromethane	2	Ŭ.
75-01-4Vinyl Chloride	2	υ
74-83-9Bromomethane	3	ט
75-00-3Chloroethane	3	ט
75-35-41,1-Dichloroethene	54	
67-64-1Acetone	7	U
75-15-0Carbon Disulfide	3	U
75-09-2Methylene Chloride	2	ן ט
75-34-31,1-Dichloroethane	j 1	ט
540-59-01,2-Dichloroethene (Total)	2	υ
78-93-32-Butanone	7	U
67-66-3	j 1	์ ซ โ
71-55-61,1,1-Trichloroethane	1	ប
56-23-5Carbon Tetrachloride	j ı	์ บ
71-43-2Benzene	51	
107-06-21,2-Dichloroethane	2	ן ט
79-01-6Trichloroethene	51	j
78-87-51,2-Dichloropropane	3	U
75-27-4Bromodichloromethane	2	U
10061-01-5cis-1,3-Dichloropropene	j 1	U
108-10-14-Methyl-2-Pentanone	j 3	υ.
108-88-3Toluene	53	İ
10061-02-6trans-1,3-Dichloropropene	j 1	U
79-00-51,1,2-Trichloroethane	2	U
127-18-4Tetrachloroethene	j 1	U
591-78-62-Hexanone	3	ับ
124-48-1Dibromochloromethane	j 1	ט
108-90-7Chlorobenzene	52	
100-41-4Ethylbenzene	j 1	Ū
1330-20-7Xylene (Total)	j 1	U
1330 10 1 11 11 11 11 11 11 11 11 11 11 11		

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

1		
i	LCSR37	ĺ
- 1		÷

EPA SAMPLE NO.

	LCSR37
Lab Name: Lancaster Laboratories	Contract:
Lab Code: LANCAS Case No.:	SAS No.: SDG No.:
Matrix: (soil/water) SOIL	Lab Sample ID: LCSR37
Sample wt/vol: 5.00 (g/mL) g	Lab File ID: HP07566.i/06jan26b.b/rj26101.d
Level: (low/med) LOW	Date Received:
Moisture: not dec	Date Analyzed: 01/26/06
GC Column: DB~624 ID: 0.25 (mm)	Dilution Factor: 1.0
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL ug/Kg Q
100-42-5Styrene 75-25-2Bromoform 79-34-51 1 2 2-Tetra	1 U 1 U

LCSR37

Lancaster Laboratories $_{\text{Quantitation Report GC/MS Volatiles}}$ LCSR37

File: /chem/HP07566.i/06jan26b.b/rj26101.d

Sample: LCSR37;LCSR37;2;3;LCS; Injected At: 26-JAN-2006 17:59

Calibration Time: 29-JUN-2005 10:37

Target Method: ROLM32SL.m Blank Reference: rj26b01.d

Sublist: 7157

Sample Concentration Formula: On-Column Amount * (Vt/Ws)

Batch:R060261AA

Analyst:JML01693

Instrument ID: HP07566.1

Standard Reference: rj26c01.d

Prep Factor:1.00

Units: ug/Kg

Matrix: SOIL

Level: Low

Sample Wt./Vol.: 5.0000 g (Ws)

Volume Purged: 5.0 ml (Vt)

Internal Standards	RT(+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ext)	QC Flag
43) Bromochloromethane	6.575(-0.002)	1553	128	123243(-4)	50.00	
58) 1.4-Difluorobenzene	7.960(-0.002)	1985	114	808883(-1)	50.00	
91) Chlorobenzene-d5	11.251(0.001)	3011	117	709496(-7)	50.00	

= RETENTION TIME OUT OF RANGE

* = INTERNAL STANDARD OUT OF RANGE

NC = NOT ABLE TO CALCULATE

	I.S.			Conc.	QC	
Surrogate Standards	Ref. RT (+/-RRT)	QIon	Area	(on column)	*Rec. flags	QC Limits
	# ######### ##########################	======	********	c######	=======================================	
50) 1,2-Dichloroethane-d4	(1) 7.364(-0.001)	65	417986	51.094	102%	70 - 121
78) Toluene-d8	(3) 9.824(0.000)	98	968776	51.589	103%	84 - 138
103) 4-Bromofluorobenzene	(3) 12.239(0.000)	95	333479	43.861	88%	59 - 113

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE

D = DILUTED OUT NC = NOT ABLE TO CALCULATE

		I.\$.					Conc.	Conc.	Blank	1	Reporting	j
Tai	rget Compounds	Ref.	RT	(+/-RRT)	QIon	Area	(on column)	(in sample)	Conc.	Qual.	Limit	LOQ
	=======================================	======	=====		*	B3724428	=========	============	=======	======		
2)	Chloromethane	(1)					ND	, ND			2.00	10.00
	Vinyl Chloride	(1)					ND	ND			2.00	10.00
	Bromomethane	(1)					ND	ND			3.00	10.00
6)	Chloroethane	(1)					ND	ND			3.00	10.00
10)	1,1-Dichloroethene	(1)	3.68	8(0.000)	96	299611	54.522	5 4.52			2.00	10.00
	Acetone	(1)					ND	ND			7.00	10.00
18)	Carbon Disulfide	(1)					ND	ND			3.00	10.00
.22)	Methylene Chloride	(1)					ND	ND			2.00	10.00
26)	trans-1,2-Dichloroethene	(1)					ND	ND			2.00	10.00
,	1.1-Dichloroethane	(1)					ND	ND			1.00	10.00
37)	cis-1,2-Dichloroethene	(1)					ND	ND			2.00	10.00
40)	2-Butanone	(1)					ND	ND			7.00	10.00
45)	Chloroform	(1)					ND	ND			1.00	10.00
46)	1.1.1-Trichloroethane	(2)					ND	ND			1.00	10.00
49)	Carbon Tetrachloride	(2)					ND	ND			1.00	10.00
38)	1,2-Dichloroethene (Total)	(1)					ND	ND			2.00	10.00
52)	Benzene	(2)	7.45	7(0.000)	78	1357246	51.328	51.33			1.00	10.00
	1.2-Dichloroethane	(1)					ND	ND			2.00	10.00
61)	Trichloroethene	(2)	8.31	3 (0.000)	130	324916	51.417	51.42			1.00	10.00
66)	1.2-Dichloropropane	(2)					ND	ND			3.00	10.00
71)	Bromodichloromethane	(2)					ND	ND			2.00	10.00
•	cis-1,3-Dichloropropene	(2)					ND	ND			1.00	10.00
76)	4-Methyl-2-Pentanone	(3)					ND	ND			3.00	10.00
	Toluene	(3)	9.89	8(0.000)	91	1420446	53.247	53.25			1.00	10.00

E = CONC. OUT OF CAL. RANGE

= RELATIVE RETENTION TIME OUT OF RANGE

Page 1 of 2

LCSR37

Lancaster Laboratories Quantitation Report GC/MS Volatiles

LCSR37

File: /chem/HP07566.i/06jan26b.b/rj26101.d

Sample: LCSR37;LCSR37;2;3;LCS; Injected At:26-JAN-2006 17:59

Calibration Time: 29-JUN-2005 10:37

Target Method: ROLM32SL.m Blank Reference: rj26b01.d

Sublist: 7157

Sample Concentration Formula: On-Column Amount * (Vt/Ws)

Batch:R060261AA

Matrix: SOIL

Analyst: JML01693

Level: Low

Instrument ID: HP07566.i

Sample Wt./Vol.: 5.0000 g (Ws)

Standard Reference: rj26c01.d

Volume Purged: 5.0 ml (Vt)

Prep Factor:1.00 Units: ug/Kg

		I.S.					Conc.	Conc.	Blank		Reporting	
Targ	get Compounds	Ref.	RT	(+/-RRT)	QIon	Area	(on column)	(in sample)	Conc.	Qual.	Limit	LOQ
.====	=======================================	=====	***===		=====	========	======================================			======	. ======	*=====
81) t	rans-1,3-Dichloropropene	(2)					ND	ND			1.00	10.00
83) 1	1,1,2-Trichloroethane	(2)					ND	ND			2.00	10.00
85) T	Tetrachloroethene	(3)					DИ	ND			1.00	10.00
87) 2	2-Hexanone	(3)					ND	ND			3.00	10.00
88) D	Dibromochloromethane	(2)					ND	ND			1.00	10.00
92) (Chlorobenzene	(3)	11.28	0.000)	112	839705	51.771	51. 77			1.00	10.00
94) B	Sthylbenzene	(3)					ND	ND			1.00	10.00
	n+p-Xylene	(3)					МD	ND			1.00	10.00
	(Vlene (Total)	(3)					ND	ND			1.00	10.00
	o-Xylene	(3)					ND	ND			1.00	10.00
	Styrene	(3)					ИĎ	ND			1.00	10.0
	Bromoform	(2)					ND	ND			1.00	10.0
,	1,1,2,2-Tetrachloroethane	(3)					ND	ND			1.00	10.0
	ONC. OUT OF CAL. RANGE	# =	RELAT	IVE RETENT	ION TIM	E OUT OF R	ANGE					

Comments:		
Analyst: TW95		Date: 1/34/06
Auditor:	^~	1/2/d6

Page 2 of 2

Date : 26-JAN-2006 17:59

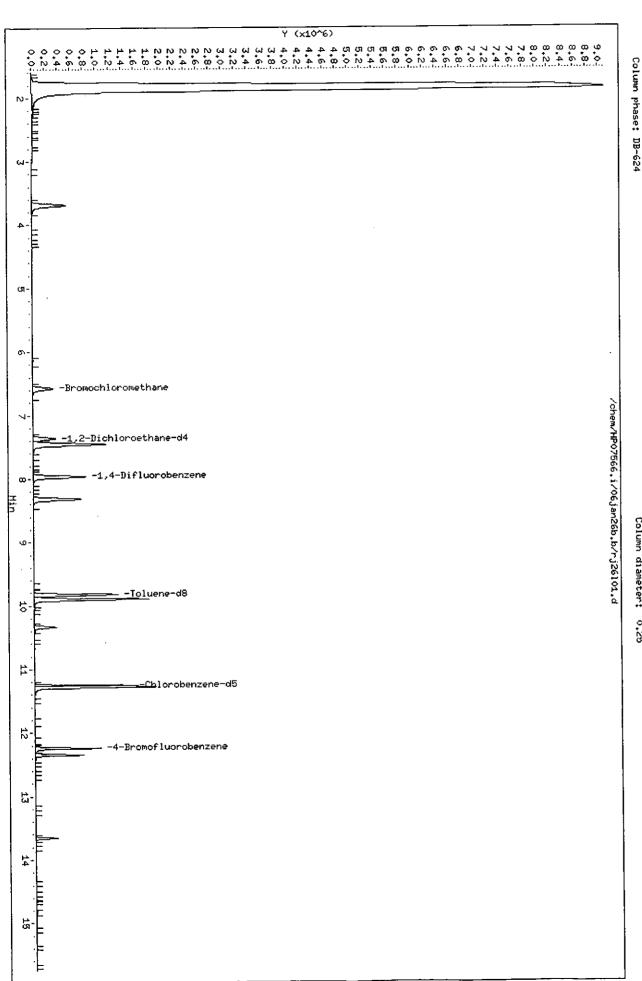
Client ID: LCSR37

Sample Info: LCSR37;LCSR37;2;3;LCS;

Instrument: HP07566.i

Operator: JML01693 Column diameter: 0.25

0485



Quant Report

Target Revision 3.5

Instrument ID: HP07566.i Data File: /chem/HP07566.i/06jan26b.b/rj26101.d Analyst ID: JML01693 Injection date and time: 26-JAN-2006 17:59

Method used: /chem/HP07566.i/06jan26b.b/ROLM32SL.m Sublist used: 7157 Calibration date and time: 29-JUN-2005 10:37 Date, time and analyst ID of latest file update: 26-Jan-2006 18:27 Automation

Lab Sample ID: LCSR37 Sample Name: LCSR37

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
=======================================	======	=====	=====	#==========	=======================================
10) 1,1-Dichloroethene	(1)	3.688	96	299611	54.522
43) *Bromochloromethane	(1)	6.575	128	123243	50.000
52) Benzene	(2)	7.4 57	78	1357246	51.328
58) *1,4-Difluorobenzene	(2)	7.960	114	808883	50.000
61) Trichloroethene	(2)	8.313	130	324916	51.417
80) Toluene	(3)	9.898	91	1420446	53.247
91) *Chlorobenzene-d5	(3)	11.251	117	709496	50.000
92) Chlorobenzene	(3)	11.280	112	839705	51.7 7 1
50) \$1,2-Dichloroethane-d4	(1)	7.364	65	417886	51.094
78) \$Toluene-d8	(3)	9.824	98	968776	51.589
103)\$4-Bromofluorobenzene	(3)	12.239	95	333479	43.861
, - , ,					

^{* =} Compound is an internal standard.
\$ = Compound is a surrogate standard.

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCDR37	
	1

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:____ SAS No.:___ SDG No.:____

Matrix: (soil/water) SOIL

Lab Sample ID: LCDR37

Sample wt/vol: 5.00 (g/mL) g Lab File ID: HP07566.i/06jan26b.b/rj26102.d

Level: (low/med) LOW Date Received:

Moisture: not dec. _____

Date Analyzed: 01/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: ____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) MDL ug/Kg Q CAS NO. COMPOUND

CAS NO. COMPOUND (43/2 02 23/4)	_	
74-87-3Chloromethane	2	Ū
75-01-4Vinyl Chloride	2	ប
74-83-9Bromomethane	3	U
75-00-3Chloroethane	3	Ū
75-35-41,1-Dichloroethene	54	
67-64-1Acetone	7	U
75-15-0Carbon Disulfide	3	U
75-09-2Methylene Chloride	2	บ
75-34-31,1-Dichloroethane	j 1	υ
540-59-01,2-Dichloroethene (Total)	2	U
78-93-32-Butanone	7	U
67-66-3Chloroform	1	ប
71-55-61,1,1-Trichloroethane	j 1	Ū
56-23-5Carbon Tetrachloride	j 1	U
71-43-2Benzene	52	•
107-06-21,2-Dichloroethane	j 2	U
79-01-6Trichloroethene	51	İ
78-87-51,2-Dichloropropane	3	ับ
75-27-4Bromodichloromethane	2	υ
10061-01-5cis-1,3-Dichloropropene	1	υ
108-10-14-Methyl-2-Pentanone	j 3	ט
108-88-3Toluene	52	Ì
10061-02-6trans-1,3-Dichloropropene	1	υ
79-00-51,1,2-Trichloroethane	2	U
127-18-4Tetrachloroethene	1	์ บ
591-78-62-Hexanone	3	U
124-48-1Dibromochloromethane	1	ប
108-90-7	51	į
100-41-4Ethylbenzene	1	U
1330-20-7Xylene (Total)	j	ָ ד <u>ַ</u>
1330-20-/ Nytene (13601)		İ

1.A VOLATILE ORGANICS ANALYSIS DATA SHEET

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ĺ	LCDR37	1
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EPA SAMPLE NO.

		LCDR37						
Lab Name: Lancaster Laboratories	Contract:	<u> </u>						
Lab Code: LANCAS Case No.:	SAS No.:	SDG No.:						
Matrix: (soil/water) SOIL	Lab Sample ID: LCDR37							
Sample wt/vol: 5.00 (g/mL) g	Lab File ID: HP07566.:	i/06jan26b.b/rj26102.d						
Level: (low/med) LOW	Date Received:							
Moisture: not dec	Date Analyzed: 01/26/06							
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0							
Soil Extract Volume: (uL)	Soil Aliquot Volume:(uL)							
	CONCENTRATION UNITS	S:						
CAS NO. COMPOUND	(ug/L or ug/Kg) MDL ug/Kg Q							
100-42-5Styrene	•	1 U						
75-25-2Bromoform		1 U						
79-34-51,1,2,2-Tetra	chloroethane	1 U						

LCDR37

Quantitation Report GC/MS Volatiles LCDR37

File: /chem/HP07566.i/06jan26b.b/rj26102.d

Sample: LCDR37;LCDR37;2;3;LCSD; Injected At:26-JAN-2006 18:25

Calibration Time: 29-JUN-2005 10:37 Target Method: ROLM32SL.m

Blank Reference: ri26b01.d

Sublist: 7157

Sample Concentration Formula: On-Column Amount * (Vt/Ws)

Batch: R060261AA

Analyst: JML01693 Level: Low

Instrument ID: HP07566.i Standard Reference: rj26c01.d

Prep Factor:1.00 Units: ug/Kg

Matrix: SOIL

Sample Wt./Vol.: 5.0000 g (Ws)

Volume Purged: 5.0 ml (Vt)

Internal Standards	RT(+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ext)	QC Flag
43) Bromochloromethane	6.569(0.003)	1552	128	123910(-3)	50.00	
58) 1,4-Difluorobenzene	7.961(-0.003)	1986	114	805910(-2)	50.00	
91) Chlorobenzene-d5	11.253(0.000)	3012	117	716702(-6)	50.00	

= RETENTION TIME OUT OF RANGE

* = INTERNAL STANDARD OUT OF RANGE

NC = NOT ABLE TO CALCULATE

	I.S.			Conc.		QC	
Surrogate Standards	Ref. RT (+/-RRT)	QIon	Area	(on column)	%Rec.	flags	QC Limits .
			=======================================	=======================================	#==== = #		
50) 1,2-Dichloroethane-d4	(1) 7.358(-0.001)	65	413850	50.328	101%		70 - 121
78) Toluene-d8	(3) 9.822(0.000)	98	971551	51.217	102%	•	84 - 138
103) 4-Bromofluorobenzene	(3) 12.237(0.000)	95	333008	43.359	87%		59 - 113

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE

D = DILUTED OUT NC = NOT ABLE TO CALCULATE

		I.S.					Conc.	Conc.	Blank	1	Reporting	3
Ta	rget Compounds	Ref.	RT (+/-	RRT)	QIon	Area	(on column)	(in sample)	Conc.	Qual.	Limit	LOQ
====		=====			=====	*****	==============	=======================================	======	======	======	
2)	Chloromethane	(1)					ND	ND			2.00	10.00
3)	Vinyl Chloride	(1)					ND	ND			2.00	10.00
5)	Bromomethane	(1)					ND	ND			3.00	10.00
6)	Chloroethane	(1)					ND	ND			3.00	10.00
10)	1,1-Dichloroethene	(1)	3.686(0.	(000	96	299998	54.298	54.30			2.00	10.00
16)	Acetone	(1)			•		ND	ND			7.00	10.00
18)	Carbon Disulfide	(1)				4*	ND	ND			3.00	10.00
22)	Methylene Chloride	(1)					ND	ND			2.00	10.00
26)	trans-1,2-Dichloroethene	(1)					ND	ND			2.00	10.00
31)	1,1-Dichloroethane	(1)					ND	ND			1.00	10.00
37)	cis-1,2-Dichloroethene	(1)					ND	ND			2.00	10.00
40)	2-Butanone	(1)					ND	ND			7.00	10.00
45)	Chloroform	(1)					ИD	ND			1.00	10.00
46)	1,1,1-Trichloroethane	(2)					ND	ND			1.00	10.00
49)	Carbon Tetrachloride	(2)					ND	ND			1.00	10.00
38)	1,2-Dichloroethene (Total)	(1)					ND	ND			2.00	10.00
52)	Benzene	(2)	7.451(0.	(000	78	1367247	51.897	51.90			1.00	10.00
53)	1,2-Dichloroethane	(1)					ND	ND			2.00	10.00
61}	Trichloroethene	(2)	8.314(0.	.000)	130	323750	51.422	51.42			1.00	10.00
66)	1,2-Dichloropropane	(2)					ND	ND			3.00	10.00
71)	Bromodichloromethane	(2)					ND	ND			2.00	10.00
75)	cis-1,3-Dichloropropene	(2)					ND	ND			1.00	10.00
76)	4-Methyl-2-Pentanone	(3),					ND	ND			3.00	10.00
	Toluene	(3)	9.896(0.	.000)	91	1416908	52.580	52.58			1.00	10.00

E = CONC. OUT OF CAL. RANGE

= RELATIVE RETENTION TIME OUT OF RANGE

Page 1 of 2

LCDR37

Lancaster Laboratories Quantitation Report GC/MS Volatiles

LCDR37

File: /chem/HP07566.i/06jan26b.b/rj26102.d

Sample: LCDR37;LCDR37;2;3;LCSD; Injected At:26-JAN-2006 18:25

Calibration Time: 29-JUN-2005 10:37

Target Method: ROLM32SL.m Blank Reference: rj26b01.d Sublist: 7157

Sample Concentration Formula: On-Column Amount * (Vt/Ws)

Batch:R060261AA

Analyst:JML01693

Instrument ID: HP07566.i

Standard Reference: rj26c0l.d

Prep Factor:1.00 Units: ug/Kg

Matrix: SOIL

Level: Low

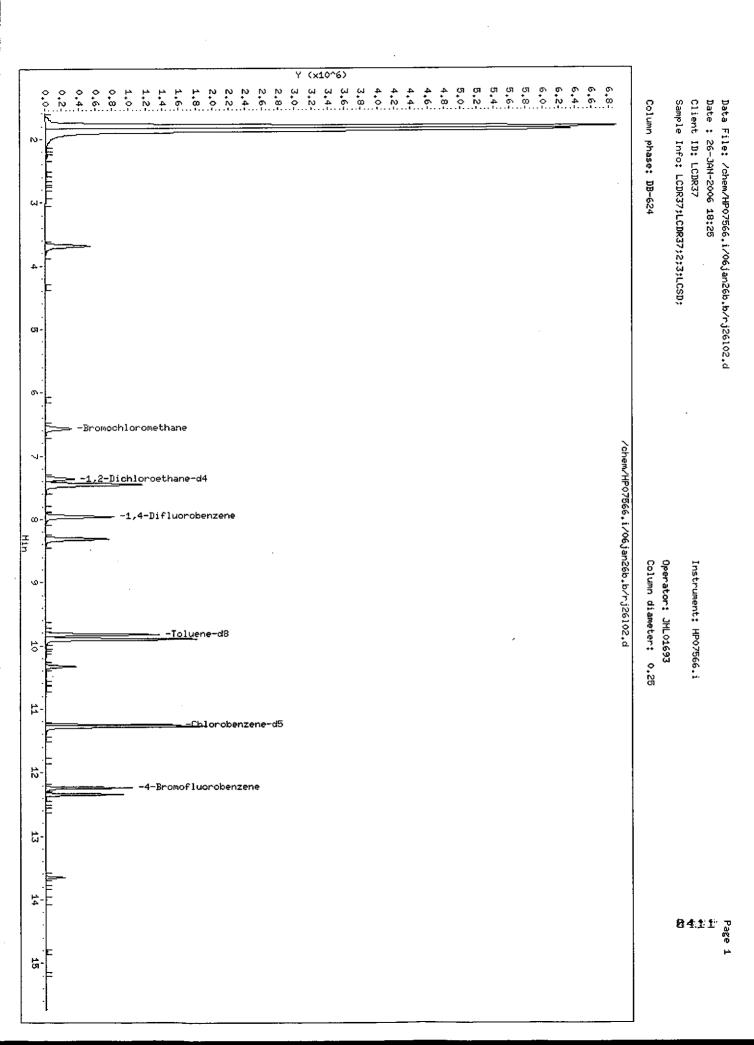
Sample Wt./Vol.: 5.0000 g (Ws)

Volume Purged: 5.0 ml (Vt)

	I.S.		•			Conc.	Conc.	Blank		Reporting	
Target Compounds	Ref.	RT	(+/-RRT)	QIon	Area	(on column)	(in sample)	Conc.	Qual.	Limit	LOQ
=======================================				x	******	========	#### ####		=======	======	======
81) trans-1,3-Dichloropropene	(2)					ND	ND			1.00	10.0
83) 1,1,2-Trichloroethane	(2)					ND	ND			2.00	10.
85) Tetrachloroethene	(3)					ИD	ND			1.00	10.
87) 2-Hexanone	(3)					ND	ND			3.00	10.
88) Dibromochloromethane	(2)					ND	ND			1.00	10.
92) Chlorobenzene	(3)	11.278	3(0.000)	112	840884	51.323	51.32			1.00	10.
94) Ethylbenzene	(3)					ND	ND			1.00	10.
95) m+p-Xylene	(3)					ND	ND			1.00	10.
96) Xylene (Total)	(3)					ND	ИD			1.00	10.
97) o-Xylene	(3)					ND	ND			1.00	10.
98) Styrene	(3)					ИD	ND			1.00	10.
99) Bromoform	(2)					ИD	ND			1.00	10.
08) 1,1,2,2-Tetrachloroethane	(3)					ND	ND			1.00	10.
= CONC. OUT OF CAL. RANGE	# =	RELATI	VE RETENT	ION TIM	E OUT OF R	ANGE					

Comments:		
Analyst: M		Date: , /26/05
Auditor:	1-	Date: ~ 126

Page 2 of 2



Quant Report

Target Revision 3.5

Instrument ID: HP07566.i Data File: /chem/HP07566.i/06jan26b.b/rj26102.d Injection date and time: 26-JAN-2006 18:25 Analyst ID: JML01693

Method used: /chem/HP07566.i/06jan26b.b/ROLM32SL.m Sublist used: 7157 Calibration date and time: 29-JUN-2005 10:37 Date, time and analyst ID of latest file update: 26-Jan-2006 18:55 Automation

Lab Sample ID: LCDR37 Sample Name: LCDR37

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
10) 1,1-Dichloroethene 43)*Bromochloromethane 52) Benzene 58)*1,4-Difluorobenzene 61) Trichloroethene 80) Toluene	(1) (1) (2) (2) (2) (2) (3)	3.686 6.569 7.451 7.961 8.314 9.896	96 128 78 114 130 91	299998 123910 1367247 805910 323750 1416908	54.298 50.000 51.897 50.000 51.422 52.580 50.000
91) *Chlorobenzene-d5 92) Chlorobenzene :50) \$1,2-Dichloroethane-d4 .78) \$Toluene-d8 103) \$4-Bromofluorobenzene	(3) (3) (1) (3) (3)	11.253 11.278 7.358 9.822 12.237	117 112 65 98 95	716702 840884 413850 971551 333008	51.323 50.328 51.217 43.359

⁼ Compound is an internal standard.

^{\$ =} Compound is a surrogate standard.

Preparation Logs



Vial Preparation

Balance ID	
ce ID:	
10034	

Sodium Bisulfate Dilution Lot #:	ot #.	Co. 52	25001	2					Balan	Balance ID:	10034	<u>C</u>	I
	A CONTRACTOR OF THE	A William Bradellan Table		A CALL STREET, A CALL	1000			A TOTAL SECTION A				4	N z
Vial ID	Vial		Client:			Mass of vial and	Mass of vial and solution				Sample	Meets	Problem Form
Sego	Prepared by Emp. #/Init.	Date Prepared		Date collected	Time collected	solution (g)		Net wt of Date soil soil (g) prepared		Time prepared	Prepared by Emp. #/Init.	Prepared by Requirements Emp. #/InIt. (5 ± .5 g)	2138 Y or N
Lab Number にしていうししく	1835	12.17.45	Sample ID (if no lab no.)	30	700	7	150 J			87	100 P	ζ.	7
Bottle Code (1784)	Comments											û	
Vial ID Application SB9358	Prepared by	Date	Client:	Date	Time	Mass of vial and solution	Mass of vial and solution and soil	Net wt of	Date soil	Time	Prepared by	Meets Prepared by Requirements	Problem Form 2138
Lab Number	18835	12:22:45	Sampte ID (if no lab no.)	\$1.30°	الهريه المق	3).9)	72.72	435	100 m	367	\$\f\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	<i>ک</i> ر	て
Botile Code (CBB	Comments												
Vial ID	Prepared by Emp. #/Init.	Date	Client:	Date Time	Time collected	Mass of vial and solution (g)	Mass of vial and solution and soil	Net wt of Date soil	Date soil Time	Time prepared	Prepared by Emp, #/Init.	Meets Prepared by Requirements Emp, #/Init. (5±,5q)	Problem Form 2138 Y or N
Lab Number 4692565	B835	12220	Sample ID (if no lab no.)	1-19-56 1340	1340	6	58.286.52	6.32	15000 1008	- ` `	Jm8/292)	>	>
Bottle Code 195 A	Comments		Appendix a series and a series and a series and a series and a series and a series and a series and a series a										
Vial ID	Prepared by Emp. #/Init.	Date Prepared	Client:	Date Time	Time collected	Mass of vial and solution (g)	Mass of vial and solution and soil	Net wt of soil (g)	Net wt of Date soil Time	Time prepared		Meets Prepared by Requirements Emp. #/Init. (5±,5g)	Problem Form 2138 Y or N
Lab Number 4/1692565	B355	12.22.05	Sample ID (if no lab no.)	1-19-ido	1-19-06 1340 81	.9he	0	6.19	1-20-06/1009	1609		N	$^{\prime\prime}$
Bottle Code	Comments					۲.							
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Vial Preparation

Balance II
D: 1003

Sodium Bisulfate Dilution Lot #:	ot #:	05'35001		7					Balance ID:	æ ID:	10034	200	1
The state of the s	st Er	And the second second	and the second s	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	See the stee steel state of the state of the	Mist Cott	MANA OF	n e				10 To 10 To	
Vial ID	Vial		Client:			Mass of vial and		· 	<u> </u>		Sample		Problem Form
S B 936]	Prepared by Emp. #/Init.	Date Prepared		collected collected	collected	(9)	(g)	soil (g) prepared	prepared prepared	prepared	Emp. #/Init.	Emp. #/Init. (5 ± .5 q)	YorN
Lab Number	18 535	16 28.18	Sample ID (if no lab no.)	1-19-66 1045	- 1	32. :1/	8 8	3.70 6.66/2006 1610	spri-		JMB/27/	7	7
	Comments												
193/		12.000	State of the state	Andrew Comment	A CONTRACTOR	The Contract of the Contract o	erenending in the second		E contra de t				
Vial ID			Client:				Mass of vial and						Problem
SB9362	Prepared by Emp. #/Init.	Date		Date collected	Time collected	vial and solution (g)	solution and soil t	Net wt of soil (g)	Date soil prepared	Time prepared	Date soil Time Prepared by prepared prepared Emp. #/Init.	Meets Prepared by Requirements Emp. #/Init. (5 ± .5 g)	Form 2138 Y or N
Lab Number	-	*	Sample ID (if no lab no.)	1-19-06/10/15		37.18	196.25	57.96 5.78 12006/611	2006	16/	CACI/SMZ	>	7
1670XJ66	Commonts	1 2 2											
JOAN													
VIALID	The state of the s	and Ameliana	Client:	reduction Andrews Condition (1976)		A STATE OF THE STA	Mass of						-
AD AD	Prenared by	Date	Chorn	Date	Time	Mass of vial and solution		Net wt of	Date soil	Time	Prepared by	ਜੇ <u></u>	Problem Form 2138
SB9363	Emp. #/Init.	Prepared		collected collected	collected	(g)		soil (g)	prepared prepared		Emp. #/Init.	(5±.5g)	YorN
Lab Number	UB 835	12 77.55	Sample ID (if no lab no.)	1-19-06 0915	1	22.23	816	\$ 116 6.17 Book 1612	1-stords		Im 6/1022	X	>
Bottle Code	Comments												
Andrewski de de la companya de la co	Albertal and a second of	PACE GIBERRA	Cliant	The proof to be a side of the	issa Berin näämideell	idhimish Loo ii - esh fili ii	Mass of	saad Milita ISTUMBANA	Eq. Siz.	1.50.100.2			e de la companya de l
						Mass of	vial and					Meets	Problem
	Prepared by	Date		Date collected	Time collected	solution (g)		Net wt of soil (g)	Date soil prepared	Time prepared	Prepared by Emp. #/Init.	Prepared by Requirements Emp. #/Init. (5 ± .5 g)	2138 Y or N
Lab Number	.) () ()	0.00	Sample ID (if no lab no.)		•	32.14	845 631		1:309/6/3		5~B/	7	>
	Commente										13		
Bottle Code	Comments												
	and dis	A contract of a contract of the Contract of th	The state of the s		A STATE OF THE PARTY OF THE PAR		g or rangelessamed	al longer all years and all the activities are an execution of			and the best with the		A A sally Sea

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Vial Preparation

Sodium Bisulfate Dilution Lot #: ____ cらるる

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Bottle Code 1935	Lab Number 4693569	Vial ID	Bottle Code 1937	Lab Number 4672569	SB9367	1938	Lab Number 46.92568	SB9366	Bottle Code 193A	_ab Number 4692568	SB9365	
Comments		Prepared by Emp. #/Init	Comments		Prepared by Emp. #/Init.	Comments		Prepared by Emp. #/Init.	Comments	CA 835	Vial Prepared by Emp. #/Inlt.	
	12-27.05	Date Prepared		12.27.00	Date Prepared		12/17:05	Date Prepared		12.27.00	Date Prepared	
	Sample ID (if no lab no.)	Client:	A CONTRACTOR OF THE CONTRACTOR	Sample ID (if no lab no.)	Client:	(1) DAIL F. A. ROJENSKY D. F. G. G. S. HARBER BERKY P. F. T. G. G. G. D. S. G. G. G. G. G. G. G. G. G. G. G. G. G.	Sample ID (if no lab no.)	Client:	The Art of Establishment of Establishment (1977)	Sample ID (if no lab no.)	Client:	
	1-19-06	Date collected		1-19-06 0945	Date Time	er's a de de deserve.	1.19-06 1156	Date collected		1-19cg 1165	Date Time	Salikata sananga
	1-19-200945 32.15	Date Time		0945	Time collected	. Alternative		Date Time	Land day		Time collected	
		Mass of vial and solution (g)		``	Mass of viat and solution (g)	a Mark Care	32.32	Mass of vial and solution (g)	- Peter salar	32,19	Mass of vial and solution (g)	
	58.19	1	(c) (c) (c)	~0	Mass of vial and solution and soil	ranker.	38:45 6,11	Mass of vial and solution and soil Net wt of (g) soil (g)	1.11 ° 0402 °	1101 pace 80.04 60.85	Mass of vial and solution and soit (g)	
	6.0H	Net wt of Date soil		5.94	Net wt of Date soil	reference on a				6.08	Net wt of Date soil	
	6.04/-2006/617	Date soil prepared	A ** 1.44 [KR] Sc.	5.94 1200/616	Date soil Time		12006/1616	Date soil		300%	Date soil Time prepared prepared	
	1617	Time prepared					. `.	Time prepared			Time prepared	į
,)m8/ /i292	Date soil Time Prepared by prepared brepared Emp. #/Init.		Smi5/ 1242	Prepared by Emp. #/Init.		Chell Sw	Prepared by		Sm6/292	Sample Prepared by Emp. #/Init.	
	$^{\uparrow}$	Meets Prepared by Requirements Emp. #/Init. (5 ± ,5 g)		N.	Meets Prepared by Requirements Emp. #/Init. (5 ± .5 g)		×	Meets Prepared by Requirements Emp. #/Init. (5 ± .5 g)		>	\$\$\frac{\partial}{\partial}\$\$ Sample Meets Prepared by Requirements Emp. #/Init. (5 ± .5 q)	116
	//	Problem Form 2138 Y or N		\geq	Problem Form 2138 Y or N	2i	7	Problem Form 2138 Y or N		7	Problem Form 2138 Y or N	

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Date:

Lancaster Laboratories 2425 New Holland Pike • Lancaster, PA 17601

Vial Preparation

	Balance ID:
	10034
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Sodium Bisulfate Dilution Lot #: Vial ID SB9369 Prep	Vial ared t	<u>0533500</u> Osta Os	Client	Date Time		Mass of vial and solution	Mass of vial and solution and soil		Balance ID: Date soil Time	ce ID:	Sample Prepared by F	アepared by Requirements	Problem Form 2138
Lab Number 4692570		35.62.21	Sample ID (If no lab no.)	1-19-ci	1025	32.36	37.72	5.36	1000 NO18		Jm8/2007	Y	4
Bottle Code 1951	Comments			`							,		
Vial ID	Prepared by	Cit Date	Client:	Date Time	Time	Mass of vial and solution	Mass of vial and solution and soil N	let wt of	Date soil Time		Prepared by Emp. #/Init.	Meets Prepared by Requirements Emp. #/Init. (5±.5 g)	Problem Form 2138 Yor N
Lab Number 11692570	CB835	12.270	Sample ID (if no lab no.)	1-19dp 1025	1025	7.5	81.85		obde		(2001/mb)	×	>
Bottle Code 1935	Comments		Constant Con					A BRODE			e de la companya de l	T. Chadan was to	
Vial ID ≶ Ap	Prepared by Emp. #/Init.	Date Prepared	Client:	Date collected	Time collected	Mass of viat and solution (g)	Mass of vial and solution and soil	Net wt of soil (g)	Net wt of Date soil	Date soil Time		Meets Prepared by Requirements Emp. #/Init. (5 ± ,5 g)	Problem Form 2138 Y or N
Lab Number		17.77.00	Sample ID (if no lab no.)	1-19-00	1130	32 J.	02)	1-2026	-		N	7
Bottle Code 1931	ı "	ale fasteralla.					er lezkeltand gan se se se	Evilanda a					ed for a self-delication of
Viai ID	Prepared by Emp, #/Init.	Date Prepared	Client:	Date collected	Date Time		Mass of vial and solution and soil	Net wt of	Net wt of Date soil Time	Time	Prepared by	Meets Prepared by Requirements Emp. #/Init. (5 ± .5 g)	Pṛoblem Form 2138 2 or N
Lab Number μ_{69357}	26835	12.77	Sample ID (if no lab no.)	1-19-de 1180	1130	0/3	1	6.06/2006/1001	sproge.		Smb/smg	×	7
Bottle Code	Comments												
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Date:

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Vial Preparation

Sodium Bisulfate Dilution Lot #: 05 35001

Balance ID:
10034
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Vial ID			The content of the statement of the stat	St St. Company of the St. Com		C 124 40 22 40 25	200	SHELL THE STATE OF ST	The second secon	100000		(377)	
	-		Circina				vial and						Problem
SB9373	Prepared by Emp. #/Init.	Date Prepared		Date collected	Time	vial and solution	으	Net wt of Date soil	Date soil	Time	Sample Prepared by	Sample Meets Prepared by Requirements	Form 2138
_ab Number			Sample ID (if no lab no.)		0000	_	, W	(F) 100	bi abai ca bi abai ca	٠.	(/	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	2
4692572	11.835	12-27 43		1110	0111	32.11	38.86	6.75	38.86 6.75 Kata 162		1000	7	/
Bottle Code	Comments												
1934													
Vial ID			Client:			Mass of	Mass of	5 4	: i				Droblem
SB9374	Dropping to	- -		}	<u> </u>		solution) :	!	: :		Form
0000/4	Frepared by Emp. #/Init.	Prepared Prepared		Date collected	Time collected	solution (g)	and soil Net wt of (g) soil (g)		Date soil prepared	Time prepared	Prepared by Emp. #/Init.	Date soil Time Prepared by Requirements prepared prepared Emp. #/Init. (5±.5 q)	2138 Yor N
Lab Number	13 85 V	30-67-71	Sample ID (if no lab no.)	1-19-00 1110			14.95	5 <u>i</u>	58-41 6-11 120-06 1623	1623	Jong/	X	>
	Comments		the state of the s								/ 12/13		
ーたが			AND THE STATE OF T			and the could be a							
Vial ID			Client:			Mass of	Mass of						
SB9375	Prepared by Emp. #/Init.	Date Prepared		Date Time	Time	vial and solution		Net wt of Date soil	Date soil	Time	Date soil Time Prepared by	र्ड	Form 2138
ab Number	<u> </u>		Sample ID (if no lab no-)			7.		.)				×	
Hlank	(1883)	12000				32.10							
dottle Code	Comments		Blank										
			Client:				Mass of	II "I D alle O A O VIII to a C C I I I I " Y	0.024				
SB9376	Prepared by Emp. #/Init.	Date Prepared		Date collected	Time collected	vial and solution	solution and soit	Net wt of Date soil		Time	Prepared by	Meets Prepared by Requirements Emn #/Init (5 ± 5 0)	Form 2138
_ab Number	1.688	12-27-05	Sample ID (if no lab no.)			27.15						_	
Bottle Code	Comments												
The second secon	18 18 18 18 18 18 18 18 18 18 18 18 18 1	Trees o				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							

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Date:

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GC/MS Volatiles pH Log

Batch #: Robot 241AA

LLI#	рН	Date Checked	Initials/ Employee #	Comments
4691287	C)	1/20/06	Anllass	
4693387	۲>	· Joules	mas	
4693420	LY	1/24loce	Jm45	
4691786	Ch	1/20/06	pulago	NFS/50 3813
4691786	02	1/20/06	Maa	ns/0 3873
	<u> </u>			
	<u> </u>			
				-
			· · · · · · · · · · · · · · · · · · ·	0.445
				8419
		1407.01.06/	44/04	

1407.01 06/11/01

*	Shift #1 Analyst	t:_	SI	ML** Shift #2 Analyst:	_JM	L	** Shift #3 Analyst:*
	Comment Code:	R	=	Reinjection necessary	X	=	Sample sent to be reextracted
		S	=	Surrogate problem	I	=	Internal Standard problem
		NU	=	Not used	F	::	Further dilution required
		MR	<u>188</u>	Meets requirements	IUO	=	Internal use only
		Cz	=	Confirms z , $(z = S, I or X)$	T	=	Injected outside valid tune period
	Other problems	or	CO	mments are as follows:			
				OLM4.3 AND OLM3.2 LOW SOI	L IC	AL_	*
							*
_							*
							<u> </u>

Data Directory Path is - C:\HPCHEM\1\DATA\06JAN26A\

RJ26X01.D BLANK BLANK 26 Jan 2006 7:31 NU RJ26X02.D BLANK BLANK 26 Jan 2006 7:58 NU RJ26X01.D BFB AUG 26 50ng BFB 26 Jan 2006 8:24 NU	FILE	SAMPLE	LLI#	DATE	TIME	BATCH	D.F.	NOTE	S ==
RJ26T02.D BFB AUG 26 50ng BFB 26 Jan 2006 8:36 MR RJ26I01.D VSTD010 26 Jan 2006 9:04 NU RJ26I02.D VSTD020 26 Jan 2006 9:31 NU RJ26I03.D VSTD050 26 Jan 2006 9:58 MR RJ26I06.D VSTD010 VSTD010 26 Jan 2006 10:25 NU RJ26I04.D VSTD100 26 Jan 2006 10:57 MR RJ26I05.D VSTD200 26 Jan 2006 11:24 MR RJ26CV1.D VSTD050 26 Jan 2006 11:50 MR RJ26X04.D BLANK CLEAN 26 Jan 2006 12:17 NU RJ26I07.D VSTD010 26 Jan 2006 12:50 MR RJ26I08.D VSTD020 26 Jan 2006 13:34 MR RJ26M01.D VSTD001 1PPB MDL 26 Jan 2006 15:48 MR	RJ26X02.D RJ26T01.D RJ26T02.D RJ26I01.D RJ26I03.D RJ26I06.D RJ26I04.D RJ26I05.D RJ26CV1.D RJ26X04.D RJ26X04.D RJ26I07.D	BLANK BFB AUG 26 BFB AUG 26 VSTD010 VSTD020 VSTD050 VSTD100 VSTD100 VSTD200 VSTD200 VSTD050 BLANK VSTD010 VSTD020	BLANK 50ng BFB 50ng BFB VSTD010 VSTD020 VSTD050 VSTD100 VSTD100 VSTD100 VSTD200 VSTD050 CLEAN VSTD010 VSTD020	26 Jan 2006 26 Jan 2006 26 Jan 2006 26 Jan 2006 26 Jan 2006 26 Jan 2006 26 Jan 2006 26 Jan 2006 26 Jan 2006 26 Jan 2006 26 Jan 2006 26 Jan 2006 26 Jan 2006 26 Jan 2006 26 Jan 2006	7:58 8:24 8:36 9:04 9:31 9:58 10:25 10:57 11:24 11:50 12:17 12:50 13:34	·	<i>Λ</i>	NU NU MR NU WX MR NU MR NU MR MR NU MR NU MR	Andri

*	Shift #1 Analyst	t:_		** Shift #2 Analyst:_	JI	ML_	** Shift #3 Analyst:	c
	Comment Code:	R	=	Reinjection necessary	X	=	Sample sent to be reextracted	
		s	=	Surrogate problem	I	=	Internal Standard problem	
		NU	_	Not used	F	=	Further dilution required	
		MR	=	Meets requirements	IUO	=	Internal use only	
		Cz	=	Confirms z, $(z = S, I \text{ or } X)$	T	=	Injected outside valid tune period	
	Other problems	or	CO	mments are as follows:				
							,	ŧ
	· · · · · · · · · · · · · · · · · · ·			_OLM_3.2_LOW_ENCORES				ŀ
_								¥
								, .

Data Directory Path is - C:\HPCHEM\1\DATA\06JAN26B\

FILE	SAMPLE	LLI#	DATE	TIME	ВАТСН	D.F.	NOTES
======================================	BFB AUG 26	50ng BFB	26 Jan 2	006 16:33			MR
RJ26C01.D	VSTD050	VSTD050	26 Jan 2				MR
RJ26B01.D	VBLKR37	VBLKR37	26 Jan 2	006 17:32	R060261AA		MR
RJ26L01.D	LCSR37	LCSR37	26 Jan 2	006 17:59	R060261AA		MR
RJ26L02.D	LCDR37	LCDR37	26 Jan 2	006 18:25	R060261AA		MR
RJ26S01.D	6005-	4692565	26 Jan 2	006 19:07	R060261AA		MR
RJ26S02.D	6005-MS	46925 6 5	26 Jan 2	006 19:34	R060261AA		MR
RJ26S03.D	6020-	4692566	26 Jan 2	006 20:01	R060261AA		MR
RJ26S04.D	6014-	4692567	26 Jan 2	006 20:27	R060261AA		MR
RJ26S05.D	6007-	4692568	26 Jan 2	006 20:54	R060261AA		MR
RJ26S06.D	6024-	4692569	26 Jan 2	006 21:21	R060261AA		MR
RJ26S07.D	6028-	4692570	26 Jan 2	006 21:48	R060261AA		MR
RJ26S08.D	6008-	4692571	26 Jan 2	006 22:15	R060261AA		MR'
RJ26S09.D	6010-	4692572	26 Jan 2	006 22:42	R060261AA		MR

* Shift #1 Analys	t:_		_SML** Shift #2 Analyst:		** Shift #3 Analyst:*
Comment Code:	R	=	Reinjection necessary .	Х	= Sample sent to be reextracted
			Surrogate problem		= Internal Standard problem
	NU	=	Not used	F	= Further dilution required
	MR	. =	Meets requirements	IUO	= Internal use only
	Cz	=	Confirms z , $(z = S, I \text{ or } X)$	T	= Injected outside valid tune period
Other problems	or	co	mments are as follows:		
			OLM4.3AND OLM3.2 WATER ICAL		*
					*
					*
					. 4

Data Directory Path is - C:\HPCHEM\1\DATA\06JAN24B\

FILE	SAMPLE	LLI#	DATE	TIME	BATCH	D.F.	NOTES
RJ24T01.D RJ24T02.D RJ24I01.D RJ24I02.D RJ24I03.D RJ24I04.D RJ24I04.D RJ24I05.D	2ulbfbAUG26 2ulbfbAUG26 VSTD010 VSTD020 VSTD050 VSTD100 VSTD100	50NG BFB . 50NG BFB VSTD010 VSTD020 VSTD050 VSTD100 VSTD100	24 Jan 20 24 Jan 20 24 Jan 20 24 Jan 20 24 Jan 20 24 Jan 20 24 Jan 20	006 11:18 006 11:40 006 12:05 006 12:30 006 12:54	TRAPSHUTDOW TRAPSHUTDOW		NU MR MR MR MR NU NU
NU RJ24I06.D RJ24I07.D RJ24CV1.D RJ24M01.D	VSTD100 VSTD200 VSTD050 VSTD001	VSTD100 VSTD200 VSTD050 1 PPB MDL	24 Jan 2 24 Jan 2 24 Jan 2 24 Jan 2	006 14:18 006 14:42			MR MR MR MR

*	Shift #1 Analys	t:_	_SM	L** Shift #2 Analyst:	JML_		** Shift #3 Analyst:*	
	Comment Code:	R	=	Reinjection necessary	X	×	Sample sent to be reextracted	
		S	=	Surrogate problem	I	=	Internal Standard problem	
		NU	=	Not used	F	==	Further dilution required	
		MR	=	Meets requirements	IUO	=	Internal use only	
		Сz	=	Confirms z , $(z = S, I \text{ or } X)$	T	:=	Injected outside valid tune period	
	Other problems	or	co	omments are as follows:				
*_				OLM3.2 WATER AND OLM4.3 MDL	STUD	Y_		*
*				CLP				*
*_								*
*								*

Data Directory Path is - C:\HPCHEM\1\DATA\06JAN24D\

FILE	SAMPLE	LLI#	DATE	TIME	BATCH.	D.F.	NOTES
RJ24T06.D	2uLBFBAUG26	50NG BFB	24 Jan 200	6 17:57			MR
RJ24C01.D	VSTD050	VSTD050	24 Jan 200	6 18:19			MR
RJ24B01.D	VBLKR34	VBLKR34	24 Jan 200	6 18:56	R060241AA		MR
RJ24S01.D	TBJ18	4691287	24 Jan 200	6 19:29	R060241AA		MR
RJ24S02.D	EB1J-	4693387	24 Jan 200	6 19:54	R060241AA		MR
RJ24S03.D	TBPNV	4693470	24 Jan 200	6 20:19	R060241AA		MR
RJ24S04.D	INJ18DL	4691286	24 Jan 200	6 20:44	R060241AA	50	F
RJ24S05.D	INJ18	4691286	24 Jan 200	6 21:09	R060241AA	5	MR
RJ24S06.D	VIBLKR01	VIBLKR01	24 Jan 200	6 21:34	R060241AA	_	MR
RJ24S07.D	INJ18MS	4691286	24 Jan 200	6 21:58	R060241AA	5	MR
RJ24S08.D	VIBLKR02	VIBLKR02	24 Jan 200	6 22:23	R060241AA	_	MR
RJ24S09.D	INJ18MSD	4691286	24 Jan 200		R060241AA	5	MR
RJ24B02.D	VBLKR35	VBLKR35	24 Jan 200	6 23:13	R060183AB		MR
RJ20M01.D	MDL0.5	1MDL#1	24 Jan 200	6 23:38	R060242AA		MR
RJ20M01.D	MDL0.5	1MDL#2	25 Jan 200		R060242AA		MR
RJ20M02.D	MDL0.5	1MDL#3	25 Jan 200	6 00:27	R060242AA		MR
RJ20M03.D	MDL0.5	1MDL#4	25 Jan 200	6 00:52	R060242AA		MR
RJ20M04.D	MDL0.5	1MDL#5	25 Jan 200	6 1:17	R060242AA		MR
RJ20M06.D	MDL0.5	1MDL#6	25 Jan 200	6 1:42	R060242AA		MR
RJ20M07.D	MDL0.5	1MDL#7	25 Jan 200	6 2:07	R060242AA		MR
RJ20M08.D	MDL1.0	2MDL#1	25 Jan 200	6 2:31	R060242AA		NU
RJ20M09.D	MDL1.0	2MDL#2	25 Jan 200	6 2:56	R060242AA		NÜ
RJ20M10.D	MDL1.0	2MDL#3	25 Jan 200	6 3:21	R060242AA		ИÜ
RJ20M10.D	MDL1.0	2MDL#4	25 Jan 200	6 3:46	R060242AA		ИU
RJ20M11.D	MDL1.0	2MDL#5	25 Jan 200	6 4:11	R060242AA		ИÜ
RJ20M12.D	MDL1.0	2MDL#6	25 Jan 200	6 4:35	·	TRAPSHUT	
RJ20M13.D	MDL1.0	2MDL#7	25 Jan 200		R060242AA		NU

Semivolatiles by GC/MS Data

QC Summary

2D SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Lancaster Laboratories Contract: SAS No.: SDG No.:PNV88

								0.6			TECHT
1		EPA	S1	S2	S3	S4	S5	\$6	S7	I 58	TOT
1	LL #'s	SAMPLE NO.	(TPH)#	(TBP)#	(DCB)#	(2CP)#	(NBZ)#	(PHL)#	(2FP)#	(FBP)#	OUT
:	=========		======	=====	=====	======	=====	=====	=====	=====	: ===
01	4692565	6005-	95	73	75	86	92	92	80	87	10
02	4692565	6005-MS	101	87	1 72	87	84	93	84	83	101
03	4692565	6005-MSD	114	84	79	90	86	94	85	86	0 1
04	4692566	6020-	95	69	63	80	77	87	75	76	101
05	4692567	6014-	104	73	67	79	81	88	75	83	101
061	4692568	6007-	98	82	71	81	84	87	77	84	101
071	4692569	6024-	100	73	70	83	79	91	80	80	101
180	4692570	6028-	106	88	72	88	83	91	86	81	0
09	4692571	6008-	98	77	68	82	77	85	78	76	0 1
10	4692572	6010-	106	77	64	81	81	90	76	81	0
11	SBLKLB021	SBLKLB0218	93	76	67	83	79	87	79	84	0
12]	021LBLCS	021LBLCS8	99	89	83	96	92	98	89	90	0
1_		l		l	l	l <u></u>]		l	l	11

				(C LIMITS	3
S1	(TPH)	=	Terphenyl-d14	((18-137)	
S2	(TBP)	=	2,4,6-Tribromophenol	((19-122)	
S3	(DCB)	=	1,2-Dichlorobenzene-d4	((20-130)	(advisory)
S4	(2CP)	=	2-Chlorophenol-d4	((20-130)	(advisory)
\$5	(NBZ)	=	Nitrobenzene-d5	((23-120)	
\$6	(PHL)	==	Phenol-d5	((24-113)	
S7	(2FP)	=	2-Fluorophenol	((25-121)	
S8	(FBP)	=	2-Fluorobiphenyl	((30-115)	

[#] Column to be used to flag recovery values

page 1 of 1

FORM II SV-1

OLM03.0

^{*} Values outside of contract required QC limits

D Surrogate diluted out

2C WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Lancaster Laboratories Contract: SAS No.: SDG No.:PNV88

ŀ		EPA	S1	S2	l 53	S4	S5 I	S6	S7	S8	TOT
İ	LL #'s	SAMPLE NO.	(TBP)#	(PHL)#	(DCB)#	(2FP)#	(2CP)#	(TPH)#	(NBZ)#	(FBP)#	TUO
I	=========	=	======	=====] ==== = =	======	======	=====	======	=======	===
01	4693387	EB1J-	120	98	82	93	97	95	95	89	0
02	SBLKWC025	SBLKWC0258	117	94	72	88	1 95 l	95	90	84	0
03	025WCLCS	025WCLCS8	119	99	82	95	100	98	94	93	0
04	025WCLCSD	025WCLCSD8	116	93	76	89	94	104	91	88	0
			li	!I	l	l	lI		l <u></u>		ll

				QC LIMITS	
S1	(TBP)	=	2,4,6-Tribromophenol	(10-123)	
S2	(PHL)	==	Phenol-d5	(10-110)	
S3	(DCB)	=	1,2-Dichlorobenzene-d4	(16-110)	(advisory)
S4	(2FP)	=	2-Fluorophenol	(21-110)	
S5	(2CP)	=	2-Chlorophenol-d4	(33-110)	(advisory)
S6	(TPH)	=	Terphenyl-d14	(33-141)	
s7	(NBZ)	=	Nitrobenzene-d5	(35-114)	
S8	(FBP)	=	2-Fluorobiphenyl	(43-116)	

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

page 1 of 1

FORM II SV-1

OLM03.0

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:Lancaster Laboratories	Contract:
Lab Code: Case No.:	SAS No.: SDG No.:
Matrix Spike - EPA Sample No.:6005	Level: (low/med) LOW

	SPIKE	SAMPLE	MS	MS	QC.
	ADDED	CONCENTRATION	CONCENTRATION	8	LIMITS
COMPOUND	(ug/Kg)	(ug/Kg)	(ug/Kg)	REC #	REC.
	=======	=========	============	=====	=====
Phenol	2840.91_	_ND	2350.48	_83	26-90
2-Chlorophenol	2840.91	_ND	2192.99	_77	25-102
1,4-Dichlorobenzene	1893.94	ND	1108.27	_58	28-104
N-Nitroso-di-n-prop.(1)	1893.94	_ND	1496.52	_79	41-126
1,2,4-Trichlorobenzene	1893.94	_ND	1314.11	_69	38-107
4-Chloro-3-methylphenol	_2840.91_	_ND	2333.74	_82	26-103
Acenaphthene	_1893.94_	_ND	1561.70	_82	31-137
4-Nitrophenol	_2840.91_	_ND	2374.54	_84	11-114
2,4-Dinitrotoluene	_3787.88_	_ND	1583.25	_42	28-89
Pentachlorophenol	_2840.91_	_ND	1607.24	_56	17-109
Pyrene	_1893.94_	_ND	1395.11	_74	35-142
			l		

	SPIKE	MSD	MSD			
	ADDED	CONCENTRATION	*	8	QC L	IMITS
COMPOUND	(ug/Kg)	(ug/Kg)	REC #	RPD #	RPD	REC.
=======================================	========	==============	======	======	=====	=====
Phenol	2840.91	_2441.96	86	_4	35	26-90
2-Chlorophenol	2840.91	_2243.75	_79	_2	50	25-102
1,4-Dichlorobenzene	1893.94	_1225.07	_65	_11	27	28-104
N-Nitroso-di-n-prop.(1)	1893.94	1626.93	86	_8	38	41-126
1,2,4-Trichlorobenzene_	1893.94	1402.28	_74	_7	23	38-107
4-Chloro-3-methylphenol	2840.91	_2331.22	_82	_0	33	26-103
Acenaphthene	1893.94	1640.76	87	_6	19	31-137
4-Nitrophenol	2840.91	2424.96	85	_1	50	11-114
2,4-Dinitrotoluene	3787.88	1653.72	44	_5	47	28-89
Pentachlorophenol	2840.91	_1568.60	55	_2	47	17-109
Pyrene			80	_8	36	35-142
						l <u></u>

(1) N-Nitroso-di-n-propylamine

- $\ensuremath{\text{\#}}$ Column to be used to flag recovery and RPD values with an asterisk
- * Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

COMMENTS:	
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9428

Lancaster Laboratories, Inc. SOIL Semi Volatile Laboratory Control Sample Recovery

LAB NAME: LANCASTER LABS

LAB CODE: LANCAS

INSTRUMENT: HP04629

Method: SOW OLM03.2

File ID: hb058.d

LCS SAMPLE NO: 021LBLCS

BATCH: 06021SLB026

Sample Code: 021LBLCS8

COMPOUND NAME	SPIKE LEVEL	LCS CONC UG/Kg	QCREF REC %	RANGE Lower-upper	INSPEC
Phenot	2500.00	2151.27	86	26 - 90	YES
2-Chlorophenol	2500.00	2111.78	84	· 25 - 102	YES
1.4-Dichlorobenzene	1666.67	1122.48	67	28 - 104	YES
N-Nitroso-di-n-propylamine	1666-67	1326.11	80	41 - 126	YES
1,2,4-Trichlorobenzene	1666-67	1272.64	76	38 - 107	YES
4-Chloro-3-methylphenol	2500.00	2194.05	88	26 <i>-</i> 103	YES
Acenaphthene	1666.67	1421.09	85	31 - 137	YES
4-Nitrophenol	2500.00	2227.65	89	11 - 114	YES
2.4-Dinitrotoluene	1666.67	1429.90	86	28 - 89	YES
Pentachlorophenol	2500.00	1667.98	67	17 - 109	YES
Pyrene	1666.67	1227.87	74	35 - 142	YES

	NC = Could not calculate		
Comments:	 		
•			

8429

Lancaster Laboratories, Inc. Semi Volatiles Laboratory Control Sample Recoveries

LCS: hb078.d

025WCLCS8 025WCLCS Method: SOW OLM03.2 Instrument: HP04629

LCS Duplicate: hb079.d 025WCLCSD8 025WCI 025WCLCSD8 025WCLCSD Matrix/Level: W/L Dilution Factor: 1.0

Batch: 06025WAC026

actin citive	05777		1000 0000	T.C.C. D.E.C.	TOOR DEG	D	DEC	DDD	DDD	TOPE
COMPOUND	SPIKE	LCS CONC	LCSD CONC	LCS REC	LCSD REC	Range	REC	RPD	RPD	
NAME	LEVEL	UG/L	UG/L	6	₴.	LOWER-UPPER	INSPEC	8	MAX	INSP
Phenol	75.00	68.81	63.69	92	85	12-110	YES	8	42	YES
2-Chlorophenol	75.00	69.56	64.16	93	86	27-123	YES	8	40	YES
1,4-Dichlorobenzene	50.00	37.85	33.74	76	67	36-97	YES	11	28	YES
N-Nitroso-di-n-propylamine	50.00	43.22	40.47	86	81	41-116	YES	6	38	YES
1,2,4-Trichlorobenzene	50.00	41.91	38.58	84	77	39-98	YES	8	28	YES
4-Chloro-3-methylphenol	75.00	69.59	67.78	93	90	23-97	YES	3	42	YES
Acenaphthene	50.00	48.29	46.32	96	93	46-118	YES	4	31	YES
4-Nitrophenol	75.00	71.89	66.21	96	88	10-80	NO	8	50	YES
2.4-Dinitrotoluene	50.00	48.52	44.85	97	90	24-96	NO	8	38	YES
Pentachlorophenol	75.00	72.32	65.92	96	88	9 -103	YES	9	50	YES
Pyrene	50.00	39.14	38.36	78	77	26-127	YES	` 2	31	YES

	N/C = Could not calculate
Lab Chronicle:	Ent. by
	Ver. by
	Ver. by

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

CD	LKI	.₽Λ	21	Ω
20.	-	3 D U		

Lab Name: Lancaster Laboratories Contract:

Lab Code: LANCAS Case No.:____ SAS No.:___ SDG No.:____

Lab File ID: hb057.d

Lab Sample ID: SBLKLB021

Date Extracted: 01/23/06

Extraction: Sonc

Date Analyzed: 02/06/06 Time Analyzed: 19:28

Matrix (soil/water): SOIL Level: (low/med) LOW

Instrument ID: HP04629

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

İ	EPA	LAB	LAB	DATE
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
	========		=========	=======
01	021LBLCS8	021LBLCS	hb058.d	02/06/06
02	6005-	4692565	hb062.d	02/06/06
03	6020-	4692566	hb063.d	02/07/06
04	6014-	4692567	hb064.d	02/07/06
05	6007-	4692568	hb065.d	02/07/06
06	6024-	4692569	hb066.d	02/07/06
07	6028-	4692570	hb067.d	02/07/06
08	6008-	4692571	hb068.d	02/07/06
09	6010-	4692572	hb069.d	02/07/06
10	6005-MS	4692565	hb070.d	02/07/06
11	6005-MSD	4692565	hb071.d	02/07/06

COMMENTS:	
	_
	8431

SEMIVOLATILE METHOD BLANK SUMMARY

EPA	SAMPLE	NC
-----	--------	----

CDT	KWC	2	5.0
\circ DL	r_{n}	U Z	

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.: SAS No.: SDG No.:

Lab File ID: hb077.d

Lab Sample ID: SBLKWC025

Date Extracted: 01/26/06

Extraction: Cont

Date Analyzed: 02/07/06

Time Analyzed: 21:10

Matrix (soil/water): WATER Level: (low/med) LOW

Instrument ID: HP04629

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA	EDA LAB		DATE
SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
	=====================================	=========	=======
01 025WCLCS8	025WCLCS	hb078.d	02/07/06
02 025WCLCSD8	025WCLCSD	hb079.d	02/07/06
03 EB1J-	4693387	hb080.d	02/08/06
· · · · · · · · · · · · · · · · · · ·	· 		

COMMENTS:	_
	9432

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab	Name:	Lancaster	Laboratories	Contract:	
Lab	Code:	LANCAS	Case No.:	SAS No.:	SDG No.:
Lab	File :	ID: hb050.d		DFTPP Injection	Date: 02/06/06

Instrument ID: HP04629 DFTPP Injection Time: 10:58

		A DELEMENTE
ļ		% RELATIVE
m/e	ION ABUNDANCE CRITERIA	ABUNDANCE
1117 C	TON 110000:0:00 01-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	_======================================
===== i 51	30.0 - 80.0% of mass 198	33.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
!	Mass 69 relative abundance	47.3
69	Less than 2.0% of mass 69	0.09 (0.18)1
70		42.4
127	25.0 - 75.0% of mass 198	i 0.0
197	Less than 1.0% of mass 198	1100.0
198	Base peak, 100% relative abundance	\
199	5.0 to 9.0% of mass 198	6.44
275	10.0 - 30.0% of mass 198	17.8
365	Greater than 0.75% of mass 198	2.83
	Present, and less than mass 443	8.93
441		55.8
442	40.0 - 110% of mass 198	11.1 (19.9)2
443	15.0 - 24.0% of mass 442	1 11.1 (13.37-1
		. I

1-Value is % mass 69

2-Value is % mass of 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

1	EPA	LAB	LAB	DATE	TIME
1	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	ANALYZED
i			=======================================	========	========
01	SSTD01016	CLP0346	hb051a.d	02/06/06	13:13
02	SSTD16016	CLP0346	hb052.d	02/06/06	14:16
03	SSTD10010	CLP0346	hb053.d	02/06/06	15:18
	SSTD12016	CLP0346	hb054.d	02/06/06	16:21
04		CLP0346	hb055.d	02/06/06	17:23
05	SSTD05016	ļ 	hb056.d	02/06/06	18:25
06	CLPICV0346	CLPICV0346	·		!!
07	SBLKLB0218	SBLKLB021	hb057.d	02/06/06	19:28
08	021LBLCS8	021LBLCS	hb058.d	02/06/06	20:30

5B SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Na	me: Lancast	er Laboratories	S Contract:
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DFTPP Injection Date: 02/06/06 Lab File ID: hb060.d

DFTPP Injection Time: 21:31 Instrument ID: HP04629

1		% RELATIVE
l m/e l	ION ABUNDANCE CRITERIA	ABUNDANCE
, C 	*	=======================================
=== 51	30.0 - 80.0% of mass 198	36.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	50.9
,	Less than 2.0% of mass 69	0.25 (0.49)1
127	25.0 - 75.0% of mass 198	43.2
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.96
275	10.0 - 30.0% of mass 198	17.6
365	Greater than 0.75% of mass 198	1.98
441	Present, and less than mass 443	7.4
442	40.0 - 110% of mass 198	46.5
443	15.0 - 24.0% of mass 442	9.47 (20.4)2
ĺ		. <u></u>

1-Value is % mass 69 2-Value is % mass of 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

!	EPA	LAB	LAB	DATE	TIME
i	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	ANALYZED
i	==========	============	=======================================	=======	========
01	SSTD05017	CLP0346	hb061.d	02/06/06	21:57
02	6005-	4692565	hb062.d	02/06/06	23:00
03	6020-	4692566	hb063.d	02/07/06	00:03
04	6014-	4692567	hb064.d	02/07/06	01:05
05	6007-	4692568	hb065.d	02/07/06	02:08
06	6024-	4692569	hb066.d	02/07/06	03:11
07	6028-	4692570	hb067.d	02/07/06	04:13
08	6008-	4692571	hb068.d	02/07/06	05:16
09	6010-	4692572	hb069.d	02/07/06	06:18
10	6005-MS	4692565	hb070.d	02/07/06	07:21
11	6005-MSD	4692565	hb071.d	02/07/06	08:24
	,	<u> </u>			

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab	Name:	Lancaster	Laboratories	Contract:
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DFTPP Injection Date: 02/07/06 Lab File ID: hb075.d

Instrument ID: HP04629 DFTPP Injection Time: 19:03

		% RELATIVE
m/e	ION ABUNDANCE CRITERIA	ABUNDANCE
=====	=======================================	=======================================
51	30.0 - 80.0% of mass 198	35.6
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	49.7
70	Less than 2.0% of mass 69	0.12 (0.25)1
127	25.0 - 75.0% of mass 198	42.9
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.15
275	10.0 - 30.0% of mass 198	18.9
365	Greater than 0.75% of mass 198	2.27
441	Present, and less than mass 443	8.9
442	40.0 - 110% of mass 198	54.1
443	15.0 - 24.0% of mass 442	10.3 (19.1)2

1-Value is % mass 69 2-Value is % mass of 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

ŀ	EPA	LAB	LAB	DATE	TIME
į	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	ANALYZED
Ì	=======================================	==============	=======================================	========	=======
01	SSTD05019	CLP0346	hb076.d	02/07/06	19:30
02	SBLKWC0258	SBLKWC025	hb077.d	02/07/06	21:10
03	025WCLCS8	025WCLCS	hb078.d	02/07/06	22:12
04	025WCLCSD8	025WCLCSD	hb079.d	02/07/06	23:14
05	EB1J-	4693387	hb080.d	02/08/06	00:17
		· · · · · · · · · · · · · · · · · · ·			

8B SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: LANCASTER LABS Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:____ SDG No.:_____

Lab File ID (Standard): hb055.d

Date Analyzed: 02/06/06

Instrument ID: HP04629

Time Analyzed: 17:23

1		IS1 (DCB)		IS2 (NPT)		IS3 (ANT)	
l I	1	AREA #	RT #	AREA #	RT #	area #	RT #
			======	========	======	========	======
========			13.392	315219	17.185	159191	22.637
12 HOUR			13.892	630438	17.685	318382	23.137
UPPER LI		176556	12.892	157610	16.685	79596	22.137
LOWER LI	MIT	44139	12.892	137010	====	========	======
=======	===	========	======	=======	-		
EPA SAMP	LE				1		! !
NO.	ļ				<u> </u>		l 1
========	:=== Ì	========	======	========	======	=======	======
01 SBLKLB02	:	88238	13.392	316490	17.180	164283	22.624
02 021LBLCS		66728	13.392	248895	17.180	131485	22.624
02 02100000	, ,		l	i	<u> </u>		
l			١	· — — —		· 	

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT (advisory) = +100% of internal standard area AREA LOWER LIMIT (advisory) = -50% of internal standard area RT UPPER LIMIT = +0.50 minutes of internal standard RT RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard are and RT values with an asterisk * Values outside of QC limits.

8C SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: LANCASTER LABS Contract:_____

Lab Code: LANCAS Case No.:____ SAS No.:___ SDG No.:____

Lab File ID (Standard): hb055.d Date Analys

Date Analyzed: 02/06/06

Instrument ID: HP04629 Time Analyzed: 17:23

ı		IS4 (PHN)		IS5 (CRY)		IS6 (PRY)	
: 	, 1	AREA #	RT #	AREA #	RT #	AREA #	RT #
l I	 		======	========	======	========	======
1	12 HOUR STD	246813	27.181	184832	34.324	150493	41.297
]		493626	27.681	369664	34.824	300986	41.797
	UPPER LIMIT	123406	26.681		33.824	75246	40.797
. !	LOWER LIMIT		20.001	, <u> </u>	-======	 ==========	======
	#=======	========	=====	=======================================		! !	i i
1	EPA SAMPLE				<u> </u>	 -	
ĺ	NO.				ļ		1
i	==========		======	========	======	========	======
01	SBLKLB0218	265294	27.170	202693	34.311	151226	41.282
02	021LBLCS8	210998	27.174	163301	34.303	116963	41.284
ŲΖ	02111011030	1 210000	[- · · - · -	<u> </u>	i	i	l
		l	1				

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT (advisory) = +100% of internal standard area AREA LOWER LIMIT (advisory) = -50% of internal standard area RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard are and RT values with an asterisk
* Values outside of QC limits.

8B SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: LANCASTER LABS Contract:

Lab Code: LANCAS Case No.:____ SAS No.:___ SDG No.:____

Lab File ID (Standard): hb061.d Date Analyzed: 02/06/06

Instrument ID: HP04629 Time Analyzed: 21:57

1		IS1(DCB)		IS2 (NPT)		IS3 (ANT)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
i	========	=======	======	=======	======	=======	======
į	12 HOUR STD	86018	13.392	310117	17.185	169172	22.627
i	UPPER LIMIT	172036	13.892	620234	17.685	338344	23.127
.	LOWER LIMIT	43009	12.892	155058	16.685	84586	22.127
į	========	=========	======	=======	======	=======	======
i	EPA SAMPLE						
	NO.						
	========	=======	======	========	======	========	======
01	6005-	77231	13.384	264334	17.177	141179	22.621
02	6020-	96889	13.386	348045	17.181	189421	22.620
03	6014-	92642	13.385	327247	17.180	169186	22.630
04	6007-	106348	13.386	364815	17.183	192157	22.627
05	6024-	85603	13.383	315362	17.174	164716	22.626
06	6028-	83319	13.385	298687	17.180	163747	22.624
07	6008-	88898	13.385	319082	17.180	168584	22.628
80	6010-	88677	13.386	312615	17.172	167534	22.625
09	6005-MS	88872	13.386	315635	17.172	172869	22.624
10	6005-MSD	90819	13.386	334392	17.173	177165	22.619
		İ	1	·		İ	l

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT (advisory) = +100% of internal standard area AREA LOWER LIMIT (advisory) = -50% of internal standard area RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

[#] Column used to flag internal standard are and RT values with an asterisk

^{*} Values outside of QC limits.

8C SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: LANCASTER LABS Contract:____

Lab Code: LANCAS Case No.:_____ SAS No.:____ SDG No.:____

Lab File ID (Standard): hb061.d Date Analyzed: 02/06/06

Instrument ID: HP04629 Time Analyzed: 21:57

ı		IS4 (PHN)		IS5 (CRY)		IS6 (PRY)	
i		AREA #	RT #	AREA #	RT #	AREA #	RT #
i		========	======	========	======	========	=====
ĺ	12 HOUR STD	263429	27.181	193434	34.315	145841	41.292
·i	UPPER LIMIT	526858	27.681	386868	34.815	291682	41.792
i	LOWER LIMIT	131714	26.681	96717	33.815	72920	40.792
i	=======================================	=======	======	=======	======	========	======
j	EPA SAMPLE						
į	NO.			1			
j		=======	======	========	======	========	======
01	6005-	217098	27.174	161446	34.311	111674	41.292
02	6020-	298604	27.179	216406	34.314	143448	41.305
03	6014-	265 195	27.170	185424	34.316	133548	41.295
04	6007-	297993	27.180	209264	34.316	150014	41.306
05	6024-	256092	27.168	186440	34.304	130614	41.295
06	6028-	241542	27.171	170770	34.311	122090	41.301
07	6008-	252151	27.175	178836	34.303	129893	41.292
08	6010-	268108	27.170	180026	34.309	127257	41.299
09	6005-MS	274329	27.169	194448	34.311	135715	41.286
10	6005-MSD	276661	27.169	181368	34.308	126396	41.270
		j	İ	1	l		

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT (advisory) = +100% of internal standard area AREA LOWER LIMIT (advisory) = -50% of internal standard area RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

[#] Column used to flag internal standard are and RT values with an asterisk

^{*} Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: LANCASTER LABS Contract:

Lab Code: LANCAS Case No.:_____ SAS No.:____ SDG No.:____

Lab File ID (Standard): hb076.d

Date Analyzed: 02/07/06

Instrument ID: HP04629

Time Analyzed: 19:30

						/	
- 1		IS1 (DCB)	·	IS2 (NPT)		IS3 (ANT)	
ĺ		AREA #	RT #	AREA #	RT #	AREA #	RT #
İ	=========	=======	=====	========	======		======
i	12 HOUR STD	84224	13.313	308891	17.096	162638	22.539
į	UPPER LIMIT	168448	13.813	617782	17.596	325276	23.039
į	LOWER LIMIT	42112	12.813	154446	16.596	81319	22.039
i	=========	========	======	========	======	========	======
i	EPA SAMPLE				Į		
į	NO.						
į	========	========	======	========	======	========	======
01	SBLKWC0258	98922	13.303	357775	17.100	187407	22.534
02	025WCLCS8	99563	13.304	368106	17.093	193172	22.538
03	025WCLCSD8	95466	13.313	338449	17.092	177314	22.536
04	EB1J-	95048	13.302	337436	17.099	185778	22.532
i			İ		<u> </u>		<u> </u>

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT (advisory) = +100% of internal standard area

AREA LOWER LIMIT (advisory) = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard are and RT values with an asterisk

* Values outside of QC limits.

8C SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: LANCASTER LABS Contract:____

Lab Code: LANCAS Case No.: SAS No.: SDG No.:

Lab File ID (Standard): hb076.d

Date Analyzed: 02/07/06

Instrument ID: HP04629

Time Analyzed: 19:30

٠.		IS4 (PHN)		IS5(CRY)		IS6 (PRY)	
ļ		AREA #	l RT#	AREA #	RT #	AREA #	RT#
-	 	AREA #	.			=======================================	 =======
I I	12 HOUR STD	274778	27.094	243248	34.219	221097	41.105
1 1	UPPER LIMIT	549556	27.594	486496	34.719	442194	41.605
. !	LOWER LIMIT	137389	26.594	121624	33.719	110548	40.605
} 1		13/369	20.32 4 =======	121024		========	======
1	EPA SAMPLE	======= = 	- -				
!		•	! !] 			!
!	NO.		! !	 		 	 =======
_	=======================================	========	======	064050	24 210	222117	41.083
01	SBLKWC0258	291667	27.090	264959	34.210		!
02	025WCLCS8	323900	27.097	288465	34.208	231013	41.100
03	025WCLCSD8	289171	27.095	252296	34.205	217465	41.077
04	EB1J-	300216	27.091	274852	34.218	239578	41.108
i				[l

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-dl2

AREA UPPER LIMIT (advisory) = +100% of internal standard area AREA LOWER LIMIT (advisory) = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard are and RT values with an asterisk 寄生生

* Values outside of QC limits.

Sample Data

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6005-	

Lab Name: Lancaster Laboratories Contract:_____

Matrix: (soil/water) SOIL Lab Sample ID: 4692565

Sample wt/vol: 30 (g/mL) G Lab File ID: hb062.d

Level: (low/med) LOW Date Received: 01/20/06

% Moisture: not dec: 12 dec: Date Extracted: 01/23/06

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/06/06

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: Extraction: Sonc

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg) MD	L UG/KG	Q
108-95-2	Phenol	38	U
	bis(2-Chloroethyl)ether	38	υ
	2-Chlorophenol	38	υ
	1,3-Dichlorobenzene	38	υ
106-46-7	1,4-Dichlorobenzene	38	บ
95-50-1	1,2-Dichlorobenzene	38	U
95-48-7	2-Methylphenol	38	υ
108-60-1	2,2'-oxybis(1-Chloropropane)	38	ן ט
	4-Methylphenol	38	ן ט
621-64-7	N-Nitroso-di-n-propylamine	38	บ
67-72-1	Hexachloroethane	38	บ
98-95-3	Nitrobenzene	38	บ
78-59-1	Isophorone	38	U
88-75-5	2-Nitrophenol	38	υ
105-67-9	2,4-Dimethylphenol	76	ប
	bis (2-Chloroethoxy) methane	38	บ
	2,4-Dichlorophenol	38	υ
120-82-1	1,2,4-Trichlorobenzene	38	U
	Naphthalene	38	U
	4-Chloroaniline		υ
	Hexachlorobutadiene	38	บ
59-50-7	4-Chloro-3-methylphenol	38	U
91-57-6	2-Methylnaphthalene	38	υ
77-47-4	Hexachlorocyclopentadiene	76	ប
88-06-2	2,4,6-Trichlorophenol	38	υ
95-95-4	2,4,5-Trichlorophenol	38	บ
91-58-7	2-Chloronaphthalene	38	υ
88-74-4	2-Nitroaniline	38	U
131-11-3	Dimethylphthalate	38	υ
606-20-2	2,6-Dinitrotoluene	38	Ū
l			

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6005-	
0003	

Lab File ID: hb062.d

Matrix: (soil/water) SOIL Lab Sample ID: 4692565

Sample wt/vol: 30 (g/mL) G

Level: (low/med) LOW Date Received: 01/20/06

% Moisture: not dec: 12 dec: Date Extracted: 01/23/06

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/06/06

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: Extraction: Sonc

CONCENTRATION UNITS:

	CONCENTRATION UNIT	:S:	
CAS NO.	COMPOUND (ug/L or ug/Kg) MI	L UG/KG	Q
	Acenaphthylene	38	Ū
99-09-2	3-Nitroaniline	76	Ū
83-32-9	Acenaphthene	38	U
51-28-5	2,4-Dinitrophenol	190	U
100-02-7	4-Nitrophenol	38	U
132-64-9		38	Ū
121-14-2	2,4-Dinitrotoluene	38	Ū
84-66-2	Diethylphthalate	38	U
7005-72-3	4-Chlorophenyl-phenylether	38	U
86-73-7		38	U
100-01-6	4-Nitroaniline	76	U
534-52-1	4,6-Dinitro-2-methylphenol	38	ប
86-30-6	N-Nitrosodiphenylamine	38	บ
101-55-3	4-Bromophenyl-phenylether	38	ับ
	Hexachlorobenzene	38	υ
	Pentachlorophenol	190	U
	Phenanthrene	38	U
	Anthracene	38	U
86-74-8		38	U
	Di-n-butylphthalate	76	U
	Fluoranthene	38	υ
	Pyrene	38	υ
	Butylbenzylphthalate	38	υ
	3,3'-Dichlorobenzidine	76	υ
	Benzo(a)anthracene	38	υ
	bis(2-Ethylhexyl)phthalate	38	υ
218-01-9		38	U
	Di-n-octylphthalate	38	υ
	Benzo(b) fluoranthene	38	ับ
	Benzo(k) fluoranthene	38	Ū
20. 00 5		_	ĺ

1C cont SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

				-		 6005-
Lab	Name:	Lancaster	Laboratories		Contract:	

Matrix: (soil/water) SOIL Lab Sample ID: 4692565

Sample wt/vol: 30 (g/mL) G Lab File ID: hb062.d

Level: (low/med) LOW Date Received: 01/20/06

% Moisture: not dec: 12 dec: Date Extracted: 01/23/06

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/06/06

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: Extraction: Sonc

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L o	or ug/Kg)	MDL	UG/KG	Q	
50-32-8	Benzo(a)pyrene			38	U	<u> </u>
193-39-5	Indeno(1,2,3-cd)pyre	ene		38	U	ŀ
53-70-3	Dibenz(a,h)anthrace	ne		38	U	- 1
191-24-2	Benzo(g,h,i)perylene	e		38	ן ע	1
j			_			

Data file: /chem/HP04629.i/06feb06a.b/hb062.d Injection date and time: 06-FEB-2006 23:00

Blank Data file reference:/chem/HP04629.i/06feb06.b/hb057.d

Instrument ID: HP04629.i Batch: 06021SLB

Date, time and analyst ID of latest file update: 07-Feb-2006 00:14 lmh00956

Method used: /chem/HP04629.i/06feb06a.b/clp.m

Sublist used: SCLP

Calibration date and time (Last Method Edit): 06-FEB-2006 22:54

Mid Level Daily Calibration Standard Reference: /chem/HP04629.i/06feb06a.b/hb061.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt * Gf/(Vi * Ws)

Matrix: SOIL

GPC Cleanup: Yes

Dilution Factor (DF): Sample Weight (Ws): 30.0 g

1 Unit Correction Factor (01).
.0 q Final Extract Volume (Vt): 500 ul Unit Correction Factor (Uf): 1

Volume Injected (Vi): 2 ul

	ternal Standards	RT (+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ng/2ul)	QC Flag
====	=======================================		======		==:		
18)	1,4-Dichlorobenzene-d4	13.384(0.008)	848	152.0	77231(-10)	40.00	
41)	Naphthalene-d8	17.177(0.008)	1232	136.0	264334(-15)	40.00	
	Acenaphthene-d10	22.621(0.006)	1782	164.0	141179(-17)	40.00	
	Phenanthrene-d10	27.174(0.007)	2241	188.0	217098(-18)	40.00	
	Chrysene-dl2	34.311(0.003)	2959	240.0	161446(-17)	40.00	
	Perylene-d12	41.292(-0.001)	3665	264.0	111674(-23)	40.00	

= RETENTION TIME OUT OF RANGE

* = INTERNAL STANDARD OUT OF RANGE

NC = NOT ABLE TO CALCULATE

		I.S.				Conc.	QC	
Su	rrogate Standards	Ref.	RT (+/-RRT)	QIon	Area	(on column)	<pre>%Rec. flags</pre>	QC Limits
		=====	******	=====	========			========
41	2-Fluorophenol	(1)	9.733(-0.001)	112	355925	120.504	80%	25 - 121
10)		(1)	12 180 (0.000)	99	444473	137.820	92 \$	24 - 113
14)		(1)	12.723(0.000)	132	390343	128.702	86%	20 - 130
	1,2-Dichlorobenzene-d4	(1)	13.838(0.000)	152	143629	75.073	75%	20 - 130
	Nitrobenzene-d5	(2)	14.984(0.000)	82	251320	91.610	92%	23 - 120
	2-Fluorobiphenyl	(3)	20.471(0.000)	172	432367	86.830	87%	30 - 115
	2,4,6-Tribromophenol	(4)	25.079(0.000)	330	99129	109.323	73%	19 - 122
	7,4,6-111Bromophenol Terphenyl-dl4	(5)	31.290(0.000)	244	368124	95.287	95₺	18 - 137

= RELATIVE RETENTION TIME OUT OF RANGE

* = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target	Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area		onc. column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/2ul)
11) Pher		(1)				Below	w MDL,	Do not	report			2.00
	(2-Chloroethyl)ether	(1)						ND	ND			2.00
	hlorophenol	(1)						ND	ND			2.00
	-Dichlorobenzene	(1)						ND	ND			2.00
	-Dichlorobenzene	(1)			•			ИD	ND			2.00
22) 1,2	-Dichlorobenzene	(1)						NĎ	ND			2.00
23) 2-M	Methylphenol	(1)				Belov	w MDL,	Do not	_			2.00
24) 2,2	'-oxybis(1-Chloropropane)	(1)						ND	ND			2.00
28) N-N:	litroso-di-n-propylamine	(1)						Do not	-			2.00 2.00
26) 4-M	Methylphenol	(1)				Belov	w MDL,	Do not	_			2.00
30) Hexa	achloroethane	(1)						ND	ND			2.00
33) Nit:	robenzene	(2)						Do not	-			2.00
34) Iso	phorone	(2)				Belov	₩ MDL,	Do not	_			2.00
35) 2-N.	litrophenol	(2)						ND	ND			4.00
36) 2,4	-Dimethylphenol	(2)						ND	ND			2.00
37) bis	(2-Chloroethoxy)methane	(2)						ND	ND			2.00
39) 2,4	-Dichlorophenol	(2)						ND	ND			2.00
	.4-Trichlorobenzene	(2)						ND	ND			2.00
	hthalene	(2)				_ :		ND	ND			8.00
43) 4-C	Chloroaniline	(2)				Belov	w MDL,	Do not	report			0.00

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles 4692565

Data file: /chem/HP04629.i/06feb06a.b/hb062.d Injection date and time: 06-FEB-2006 23:00

Blank Data file reference:/chem/HP04629.i/06feb06.b/hb057.d

Batch: 06021SLB Instrument ID: HP04629.i

Date, time and analyst ID of latest file update: 07-Feb-2006 00:14 lmh00956

Method used: /chem/HP04629.i/06feb06a.b/clp.m

Sublist used: SCLP

Calibration date and time (Last Method Edit): 06-PEB-2006 22:54

Mid Level Daily Calibration Standard Reference: /chem/HP04629.i/06feb06a.b/hb061.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt * Gf/(Vi * Ws)

Matrix: SOIL

GPC Cleanup: Yes

Dilution Factor (DF): 1

Unit Correction Factor (Uf): 1

Volume Injected (Vi): 2 ul

Sample Weight (Ws): 30.0 g Final Extract Volume (Vt): 500 ul

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc (on colu		Conc.	Blank Conc.	_	Reporting Limit (ng/2ul)
******	## # ####	====		**====					======	======	~ ^^
 Hexachlorobutadiene 	(2)					ND		ND			2.00
47) 4-Chloro-3-methylphenol	(2)					ND		ND			2.00
49) 2-Methylnaphthalene	(2)					ND		ND			2.00
51) Hexachlorocyclopentadiene	(3)					ND		ND			4.00
52) 2,4,6-Trichlorophenol	(3)					ND		ND			2.00
53) 2,4,5-Trichlorophenol	(3)					ND		ND			2.00
57) 2-Chloronaphthalene	(3)					ND		ND			2 00
58) 2-Nitroaniline	(3)				Belo	-	not report				2.00
60) Dimethylphthalate	(3)					ND		ND			2.00
61) 2,6-Dinitrotoluene	(3)				Belo		not report				2.00
62) Acenaphthylene	(3)					ND		ND			2.00
63) 3-Nitroaniline	(3)						not report				4.00
67) Acenaphthene	(3)				Belo	•	not report				2.00
68) 2,4-Dinitrophenol	(3)					ИĎ		ND			10.00
69) 4-Nitrophenol	(3)					-	not report				2.00
71) Dibenzofuran	(3)				Belo	-	not report				2.00
72) 2,4-Dinitrotoluene	(3)					ND		ND			2.00
74) Diethylphthalate	(3)					•	not report				2.00
76) Fluorene	(3)						not report				2.00
75) 4-Chlorophenyl-phenylether	(3)					-	not report				2.00
78) 4-Nitroaniline	(3)						not report				4.00
79) 4,6-Dinitro-2-methylphenol	(4)						not report				2.00
80) N-Nitrosodiphenylamine	(4)				Belo	-	not report				2.00
83) 4-Bromophenyl-phenylether	(4)					ИD		ND			2.00
84) Hexachlorobenzene	(4)					ND		ND			2.00
86) Pentachlorophenol	(4)					ND		ND			10.00
88) Phenanthrene	(4)						not report				2.00
89) Anthracene	(4)						not report				2.00
90) Carbazole	(4)						not report				2.00
91) Di-n-butylphthalate	(4)					•	not report				4.00
92) Fluoranthene	(4)						not report				2.00
93) Pyrene	(5)						not report				2.00
95) Butylbenzylphthalate	(5)				Belo	-	not report				2.00
96) 3,3'-Dichlorobenzidine	(5)					ND		ND			4.00
97) Benzo(a)anthracene	(5)						not report				2.00
100) Chrysene	(5)						not report				2.00
98) bis(2-Ethylhexyl)phthalate	(5)						not report				2.00
101) Di-n-octylphthalate	(6)					-	not report				2.00
102) Benzo(b)fluoranthene	(6)					•	not report				2.00
103) Benzo(k)fluoranthene	(6)					•	not report				2.00
104) Benzo(a)pyrene	(6)				Belo	ow MDL, Do	not report	;			2.00
	•		Pag	ge 2 o	f 3						

Quantitation Report GC/MS Semi-Volatiles 4692565

Data file: /chem/HP04629.i/06feb06a.b/hb062.d Injection date and time: 06-FEB-2006 23:00

Blank Data file reference:/chem/HP04629.i/06feb06.b/hb057.d Batch: 06021SLB

Instrument ID: HP04629.i

Date, time and analyst ID of latest file update: 07-Feb-2006 00:14 1mh00956

Method used: /chem/HP04629.i/06feb06a.b/clp.m

Sublist used: SCLP

Calibration date and time (Last Method Edit): 06-FEB-2006 22:54

Mid Level Daily Calibration Standard Reference: /chem/HP04629.i/06feb06a.b/hb061.d

Matrix: SOIL

GPC Cleanup: Yes

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt * Gf/(Vi * Ws)

Volume Injected (Vi): 2 ul

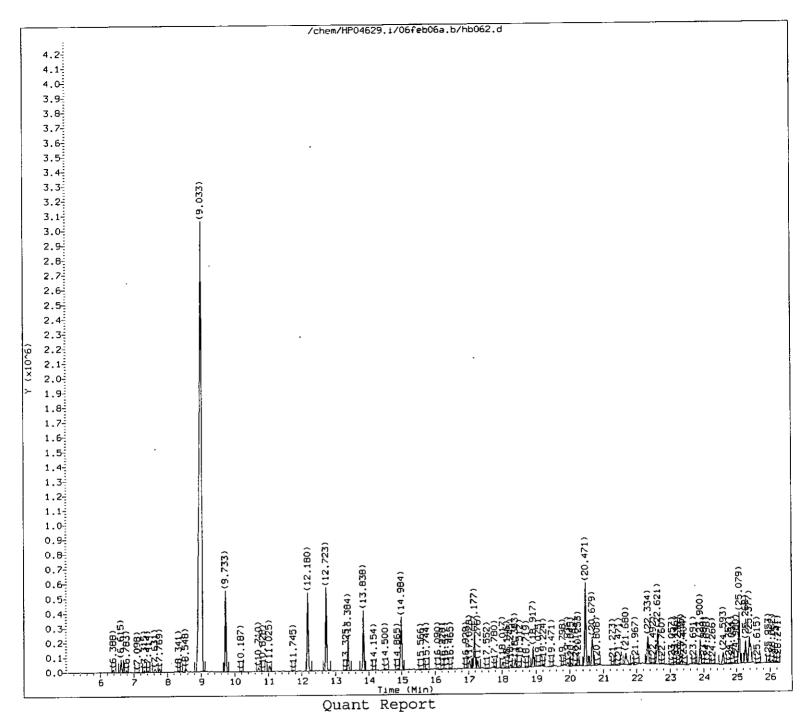
Dilution Factor (DF): 1 Unit Correction Factor (Uf): 1 Sample Weight (Ws): 30.0 g Final Extract Volume (Vt): 500 ul

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/2ul)
	##====		**======				*****		======	THEE E E E E E E E E E E
106) Indeno(1,2,3-cd)pyrene	(6)					NĎ	ND			2.00
107) Dibenz(a,h)anthracene	(6)					ND	ND			2.00
108) Benzo(g,h,i)perylene	(6)					ND	ND			2.00
E = CONC. OUT OF CAL. RANGE	# = 3	RELAT	IVE RETENT	TION TIME	OUT OF	RANGE				_

Total number of targets = 64

Comments:		
Analyst:	Hattenstwie 1980	Date: 07 107 106
Auditor:	\ \ Ciruz/412	Date: Date: Date:

Page 3 of 3



Target Revision 3.5

Injection date and time: 06-FEB-2006 23:00

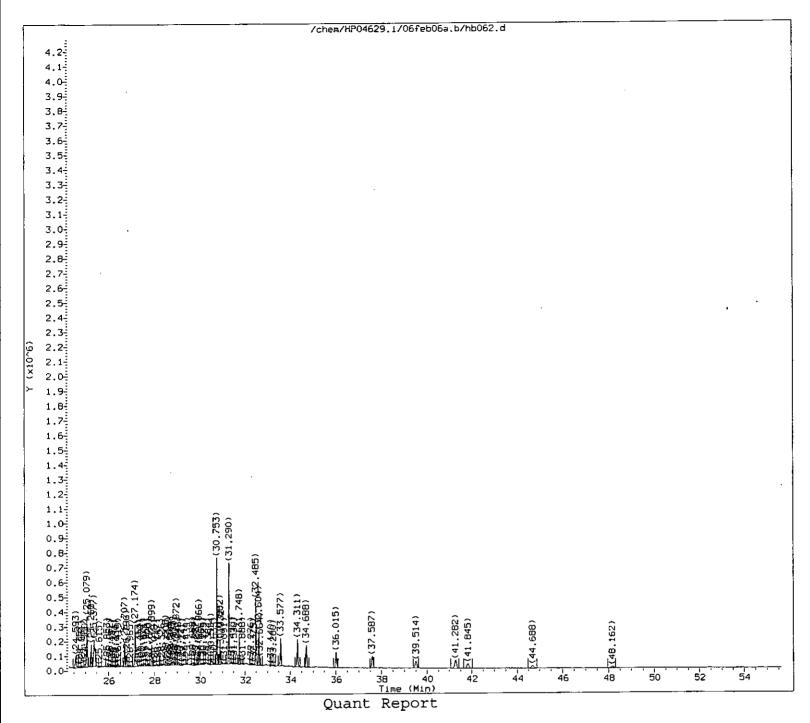
Instrument ID: HP04629.i Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb06a.b/clp.m Sublist used: SCLP Calibration date and time: 06-FEB-2006 22:54

Calibration date and time: 06-FEB-2006 22:54
Date, time and analyst ID of latest file update: 07-Feb-2006 00:14 lmh00956

Sample Name: 6005- Lab Sample ID: 4692565





Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb062.d Injection date and time: 06-FEB-2006 23:00

Instrument ID: HP04629.i Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb06a.b/clp.m Calibration date and time: 06-FEB-2006 22:54

Sublist used: SCLP

Date, time and analyst ID of latest file update: 07-Feb-2006 00:14 lmh00956

Sample Name: 6005- Lab Sample ID: 4692565

40) 10/ 80 mm

Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb062.d Injection date and time: 06-FEB-2006 23:00

Instrument ID: HP04629.i Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb06a.b/clp.m Sublist used: SCLP Calibration date and time: 06-FEB-2006 22:54 Date, time and analyst ID of latest file update: 07-Feb-2006 00:14 lmh00956

Sample Name: 6005-

Lab Sample ID: 4692565

Compoi	ınds	I.S. Ref.	RT	QIon	Area	(on column)
18) 1,4-Did 41) Naphtha 64) Acenaph 87) Phenant 99) Chryser 105) Peryler 4) 2-Fluor 10) Phenol 14) 2-Chlor 21) 1,2-Did 32) Nitrobe 54) 2-Fluor	chlorobenzene-d4 chlorobenzene-d4 chene-d8 chrene-d10 che-d12 cophenol cophenol-d4 chlorobenzene-d4 chlorobenzene-d4 cobiphenyl	Ref. ====== (1) (2) (3) (4) (5) (6) (1) (1) (1) (2) (3)	===== 13.384 17.177 22.621 27.174 34.311 41.292 9.733 12.180 12.723 13.838 14.984 20.471	152 136 164 188 240 264 112 99 132 152 82 172	Area ====================================	(on column) ===================================
82) 2,4,6-1 94) Terpher	ribromophenol nyl-d14	(4) (5)	25.079 31.290	330 244	368124	95.287

M = Compound was manually integrated.

A = User selected an alternate hit

1F EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

	TENTATIVELY IDENTIFIE	D COMPOUNDS	į į
		•	6005-
Lab Name:	_Lancaster Laboratories	Contract:	

Lab	Code:	LANCAS	Case No.:	SAS No.:	SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4692565

Sample wt/vol: 30 (g/mL) g Lab File ID: hb062.d

Level: (low/med) LOW Date Received: 01/20/06

% Moisture: 12 Decanted: (Y/N) Date Extracted: 01/23/06

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/06/06

Injection Volume: 2 (uL) Dilution Factor: 1

GPC Cleanup: Y pH: Extraction: Sonc

CONCENTRATION UNITS:

Number TICs found: 14 (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	== =================================	======= 18.017	190	J
2.	Unknown	20.808	110	jσ
3.	Unknown	21.967	100	J
4.	Unknown	23.404	120	J
5.	Unknown	24.980	80	J
6.	Unknown	25.268	330	јјв
7.	Unknown Carboxylic Acid	28.505	96	J
8.	Unknown	28.833	91	J
9.	Unknown Carboxylic Acid	30.514	130	j Ј
10.	Unknown Carboxylic Acid	30.753	1800	JВ
11.	Unknown	30.932	250	j J
12.	Unknown	32.485	1200	јјв
13.	Unknown	32.664	160	j Ј
14.	Unknown	48.162	250	j J
15		j		İ
16				i
17.				i
18				i
19				i
20				i
21				i
22				i
23				
24				İ
25				
26				
27				
28				
29				1
30		-i		i

SEMIVOLATILE ORGANICS ALKANE SUMMARY SHEET

						- 1
					6005-	
Lab	Name:	Lancaster	Laboratories	_ Contract:	_	

EPA SAMPLE NO.

Lab Code: LANCAS Case No.:____ SAS No.:___ SDG No.:___

Matrix: (soil/water) SOIL Lab Sample ID: 4692565

Sample wt/vol: 30 (g/mL) g Lab File ID: hb062.d

Level: (low/med) LOW Date Received: 01/20/06

% Moisture: 12 Decanted: (Y/N) Date Extracted: 01/23/06

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/06/06

Injection Volume: 2 (uL) Dilution Factor: 1

GPC Cleanup: Y pH: Extraction: Sonc

CONCENTRATION UNITS:

Number TICs found: 20 (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	 Q
=========		= =====================================		=======
1.	Unknown Alkane	18.917	420	J
2.	Unknown Alkane	20.679	580	J
3.	Unknown Alkane	21.680	420	J
4.	Unknown Alkane	22.334	600	J
5.	Unknown Alkane	23.900	520	J
6.	Unknown Alkane	24.593	370	J
7.	Unknown Alkane	25.377	760	J
8.	Unknown Alkane	26.707	360	J
9.	Unknown Alkane	27.899	340	J
10.	Unknown Alkane	29.966	290	J
11.	Unknown Alkane	30.882	410	J
12.	Unknown Alkane	31.748	500	J
13.	Unknown Alkane	32.604	620	J B
14.	Unknown Alkane	33.577	670	J
15.	Unknown Alkane	34.688	590	J
16.	Unknown Alkane	36.015	520	J
17.	Unknown Alkane	37.587	420	J
18.	Unknown Alkane	39.514	540	J
19.	Unknown Alkane	41.845	500	J
20.	Unknown Alkane	44.688	330	J
21		_1		l
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page 1 of 1

Data File: /chem/HP04629.i/06feb06a.b/hb062.d Report Date: 07-Feb-2006 01:23

Lancaster Labs

Data file : /chem/HP04629.i/06feb06a.b/hb062.d Lab Smp Id: 4692565 Client Inj Date : 06-FEB-2006 23:00 Operator : lmh00956 Inst Client Smp ID: 6005-

Inst ID: HP04629.i

Smp Info : 6005-;4692565; Misc Info : 06021SLB;;30;;500;1;hb057;4438;

Comment

Method: /chem/HP04629.i/06feb06a.b/clp.m Meth Date: 07-Feb-2006 01:22 lmh00956 Quant Cal Date: 06-FEB-2006 21:57 Cal Als bottle: 3 Dil Factor: 1.00000 Integrator: Falcon Comp Target Version: 3.50 Quant Type: ISTD Cal File: hb061.d

Compound Sublist: SCLP.sub

Concentration Formula: Amt * DF * Uf * Vt * Gf/(Vi * Ws) * CpndVariable

Name	Value	Description
DF Uf Vt Gf Vi Ws	1.00000 1.00000 500.00000 2.00000 2.00000 30.00000	Dilution Factor ng unit correction factor Volume of final extract (uL)(1000 low, 2 Gpc Factor Volume injected (uL) Weight of sample extracted (g)

Cpnd Variable

Local Compound Variable

ISTD ========	RT ====	AREA ======	AMOUNT
* 41 Naphthalene-d8	17.177	574998	40.000
* 64 Acenaphthene-d10	22.621	590590	40.000
* 87 Phenanthrene-d10	27.174	717267	40.000
* 99 Chrysene-d12	34.311	562110	40.000
* 105 Perylene-d12	41.292	341976	40.000

	====			====	*****	========	**====
RΤ	AREA	ON-COL(ng/2ul)	FINAL(ug/Kg)	LAUQ	LIBRARY	LIB ENTRY	CPND #
	CONCENTRATIONS				QU.	ANT	

Data File: /chem/HP04629.i/06feb06a.b/hb062.d Report Date: 07-Feb-2006 01:23

		CONCENTE	ATIONS		Q	UANT	
200	NDEX	ON-COL (ng/2ul)	FINAL (ug/Kg)	OUAL	_		CPND #
RT	AREA				=======		
EFE=	====	#============					
Unknown				CAS	#:		
10 017	143875	10.0087156	166.81192	0		0	41
18.017	1,30,3	10.00000					
Unknown	Alkane			CAS	#:		
18.917		21.9957154	366.59525	0		0	41
10.717	320200						
Unknown	Alkane			CAS	#:		
		30.3681718	506.13619	0		0	64
Unknown				CAS	#:		_
20.808	88990	6.02719157	100.45319	0		0	64
Unknown				CAS	#:	_	
21.680	331513	22.452995 9	374.21659	0		0	64
Unknown				CAS	#:	0	64
21.967	81836	5.54264755	92.37745	0		U	04
					,		
	Alkane			CAS	#:	0	64
22.334	468643	31.7406448	529.01074	0		v	01
				CAS			
Unknown			105.08281	0	π.	0	64
23.404	93091	6.30496902	105.00261	U		_	
1	-23			CAS	#:		
Unknown		27.5441998	459 06999	0		0	64
23.900	400004	27.3441330	133100333	-			
Unknown	Alkane			CAS	#:		
24.593		19.3916917	323,19486	0		0	64
24.353	200514	15.5520527	•==			•	
Unknown				CAS	#:		
		4.25304546	70.88409	0		0	87
21.500							
Unknown				CAS	#:		
25.268		17.6451159	294.08526	0		0	87
Unknown	Alkane		•	CAS	#:		
25.377	723859	40.3676104	672.79350	0		0	87
Unknown	Alkane			CAS	#:	_	
26.707	346513	3 19.3240586	322.06764	0		0	87
Unknown	Alkane			CAS	#:	0	87
27.899	317852	2 17.7257258	295.42876	0		Ü	0,

Data File: /chem/HP04629.i/06feb06a.b/hb062.d Report Date: 07-Feb-2006 01:23

		CONCENT	RATIONS		Q	UANT	
RT	AREA		FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
====		=======================================	======================================	===	======	=======	*****
Unknown	Carboxylic	Acid		CAS	#:	_	
28.505		5.07318009	84.55300	0		0	87
Unknown				CAS	#:	0	87
28.833	85898	4.79031055	79.83850	0		U	57
					u		
Unknown				CAS	#:	0	87
29.966	276847	15.4390035	257.31672	0		•	٠
				CAS	4.		
	Carboxylic			0	# -	0	87
30.514	125245	6.98454043	116.40900	U		·	_
				CAS	# -		
	Carboxylic		1565.66594	0		0	99
30.753	1320116	93.9399564	1363.06334	•			
	*31			CAS	#:		
Unknown 30.882		21.4517270	357.52878	0		0	99
30.862	301430	21.4317270	32::0=::				
Unknown				CAS	#:		
30.932		13.4111707	223.51951	0		0	99
30.330	200				-		
Unknown	Alkane			CAS	#:		
31.748	372812	26.5294674	442.15779	0		0	99
Unknown				CAS	#:	_	20
32.485	921419	65.5684944	1092.80824	0		0	99
Unknown				CAS	#:	0	99
32.604	462753	32.9296417	548.82736	0		U	23
				CAS	ш.		
Unknown			177 00634	0 0	#:	0	99
32.664	116354	8.27978081	137.99634	U		-	
				CAS	#:		
Unknown		35.2051657	586.75276	0		0	99
33.577	494/30	35.2031037	3001,3270				
Unknown	Mane			CAS	#:		
34.688		31.1499525	519.16587	0		0	99
34.000	437,13	22.11.72					
Unknown	Alkane			CAS	#:		
36.015		27.3036487	455.06081	0		0	99
50.015							
Unknown	Alkane			CAS	; #:		_
37.587		22.2301311	370.50218	0		0	99

Data File: /chem/HP04629.i/06feb06a.b/hb062.d Report Date: 07-Feb-2006 01:23

		CONCENTR	ATIONS		JQ.	IANT	
RT	AREA	ON-COL(ng/2ul)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	****	=======================================	====	======	=========	\$ E = 5 E E
·Unknown	Alkane			CAS	#:	^	105
39.514	242637	28.3805608	473.00934	0		• 0	105
Unknown	Alkane			CAS	#:	^	105
41.845	225628	26.3910744	439.85124	0		0	105
Unknown	Alkane			CAS	#:	0	105
44.688	149495	17.4859877	291.43312	0		U	103
Unknown				CAS	#:	•	105
48.162	111876	13.0858260	218.09709	0		0	105

28 29 30 201 (101 000 appl mm) -Phenanthrene-d10 -2 -%) 일 foneAdomondinT-8,4, -22 -R Otb-enehtridenead--8 : -य़ (Part 1 of -S-Elluorobipheny -& Column diameter: -**읍** /chem/HP04629.i/06feb06a.b/hb062.d -¤ -Naphthalene-d8 3 12. Gb−eneznedonJiH− ·# -1,2-Dichlorobenzene-d4 -T,4-Dichlorobenzene-d4 -13 -S-Chlorophenol-d4 -byeuoj-qa :# <u>유</u> -S-E]rocobpeuoj Column phase: 38W DB-5.625 0 4 5 8 0 4 6 7.0 -8-0 0.7 0.6 0.2-. . . . 1,0.1 .6.0 1.4-1.8-.... 1,2 3.0 1,3 (9~0TX) X

Page 5

0.25

Operator: 1mh00956

Instrument: HP04629.i

Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Sample Info: 6005-;4692565;

Volume Injected (uL): 2.0

Date : 06-FEB-2006 23:00

Client ID: 6005-

Sample Info; 6005-;4692565;

Volume Injected (uL): 2.0

Column phase: J&W DB-5.625

Operator: 1mh00956

Instrument: HP04629.i

Column diameter: 0,25

muldese as los los

.많 -장 . 23 -. ශ 2 ္မင္ပ - 64 -1 -9 (Part 2 of 2) -타 -4 /chem/HP04629.i/06feb06a.b/hb062.d -4 -berylene-dit 4 -4 . -‰ -<u></u>8 -65 : 8 Chrysene-d12 - M : -8 0.2 1 0.1 Jan Mallander Terphenyl-d14 0 0 0 0 4 W -9*0 6 7 ... 1.1-1.0 0.9 2.0-1.9 1,8-1.5 1.4 1.2 2.2 2,1-1,7-1.6 1,3-2,3 2,5 3.0-2.8 2.6-(9**,**0TX)

Date : 06-FEB-2006 23:00

Client ID: 6005-

Instrument: HP04629.i

Sample Info: 6005-;4692565; Volume Injected (uL): 2.0

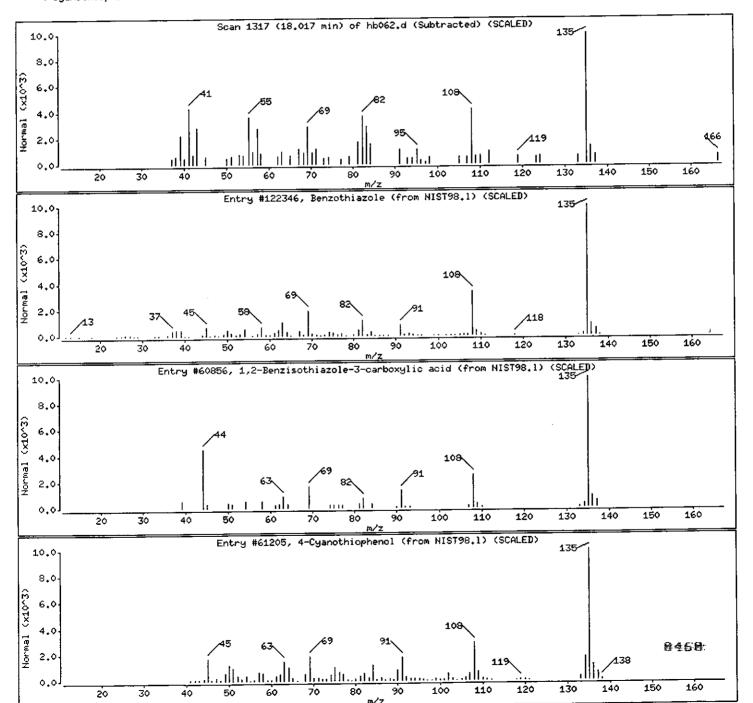
Column phase: J&W DB-5.625

Operator: 1mh00956

Column diameter: 0.25

Library Search Compound Match
Unknown
Benzothiazole
1,2-Benzisothiazole-3-carboxylic acid
4-Cyanothiophenol

Weight Quality Formula Library Entry CAS Number 135 122346 62 C7H5NS NIST98.1 95-16-9 179 53 C8**H5**N02S 60856 40991-34-2 NIST98.1 C7H**5N**S 135 1000212-26-0 NIST98.1 53 61205



Date : 06-FEB-2006 23:00

Client ID: 6005-

Instrument: HP04629.i

Sample Info: 6005-;4692565; Volume Injected (uL): 2.0

Operator: 1mh00956

Column phase: J&W DB-5.625

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Eucalyptol 2-Heptenal, 2-propyl- 2-Heptanone, 3-propylidene-	470-82-6 34880-43-8 32064-70-3	NIST98.1 NIST98.1 NIST98.1	110019 108654 6084	14 10 10	C10H180 C10H180 C10H180	154 154 154

